

LIST OF PUBLICATIONS*: ASHOK AGARWAL, PhD, HCLD 1987 - 2019

**Publications featured in this list are peer-reviewed, scientific articles. This list does not include book chapters, abstracts and conference proceedings.*

Search terms used on Scopus database:

Agarwal A

Agarwal Ashok

Agarwal A AND Cleveland Clinic

Agarwal Ashok AND Cleveland Clinic

Agarwal A AND Harvard Medical Medical

Agarwal Ashok AND Harvard Medical School

Agarwal A AND Brigham and Women's Hospital

Agarwal Ashok AND Brigham and Women's Hospital

Search date: Dec 12, 2019

No	Year	Authors	Title	Source title	Volume	Issue	Page start	Page end	Cited by	DOI
1	1987	Hoffer A.P., Agarwal A., Meltzer P., Herlihy P., Naqvi R.H., Lindberg M.C., Matlin S.A.	Ultrastructural, fertility, and spermicidal studies with isomers and derivatives of gossypol in male hamsters	Biology of Reproduction	37	4	909	924	27	10.1095/biolreprod37.4.909
2	1988	Hoffer A.P., Agarwal A., Meltzer P., Naqvi R., Matlin S.A.	Antifertility, spermicidal and ultrastructural effects of gossypol and derivatives administered orally and by intratesticular injections	Contraception	37	3	301	331	17	10.1016/0010-7824(88)90032-7
3	1988	Agarwal A.	Effect of vasectomy on the epididymis of the Indian palm squirrel, <i>Funambulus pennanti</i>	Archives of Biology	99	1	17	32		
4	1989	Agarwal A.	Antifertility and ultrastructural effects of optical isomers of gossypol administered intratesticularly in rats	Acta Europaea Fertilitatis	20	6	379	386	1	
5	1991	Agarwal A., Newton R.A.	The effect of cancer on semen quality after cryopreservation of sperm	Andrologia	23	5	329	332	12	10.1111/j.1439-0272.1991.tb02574.x
6	1991	Agarwal A., Manglona A., Loughlin K.R.	Filtration of spermatozoa through L4 membrane: A new method	Fertility and Sterility	56	6	1162	1165	12	10.1016/S0015-0282(16)54733-5
7	1991	Agarwal A., Loughlin K.R.	Acrosin activity in patients with idiopathic infertility	Systems Biology in Reproductive Medicine	27	2	97	101	8	10.3109/01485019108987659
8	1992	Agarwal A.	Treatment of immunological infertility by sperm washing and intrauterine insemination	Systems Biology in Reproductive Medicine	29	3	207	213	18	10.3109/01485019208987726
9	1992	Loughlin K.R., Agarwal A.	Use of theophylline to enhance sperm function	Systems Biology in Reproductive Medicine	28	2	99	103	16	10.3109/01485019208987686
10	1992	Agarwal A., Manglona A., Loughlin K.R.	Improvement in semen quality and sperm fertilizing ability after filtration through the L4 membrane: Comparison of results with swim up technique	Journal of Urology	147	6	1539	1541	7	10.1016/S0022-5347(17)37619-X
11	1992	Agarwal A., Ozturk E., Loughlin K.R.	Comparison of semen analysis between the two Hamilton-Thorn semen analysers	Andrologia	24	6	327	329	7	10.1111/j.1439-0272.1992.tb02663.x
12	1992	Agarwal A., Loughlin K.R.	Effect of Sp-cAMP on sperm motility in patients with unexplained infertility	Andrologia	24	1	53	55	2	10.1111/j.1439-0272.1992.tb02609.x
13	1992	Neuwinger J., Siebzehnruhl E., Wildt L., Agarwal A., Loughlin K.R., Manglona A.	Value of sperm filtration? [5]	Fertility and Sterility	58	1	224	225		
14	1993.54	Hoffer A.P., Agarwal A., Meltzer P., Herlihy P., Naqvi R.H., Lindberg M.C., Matlin S.A.	Ultrastructural, fertility, and spermicidal studies with isomers and derivatives of gossypol in male hamsters	Biology of Reproduction	5	3-Feb	93	351.654	100	10.1095/biolreprod37.4.910
15	1993.97	Hoffer A.P., Agarwal A., Meltzer P., Naqvi R., Matlin S.A.	Antifertility, spermicidal and ultrastructural effects of gossypol and derivatives administered orally and by intratesticular injections	Contraception	5	4	301	338.846	309	10.1016/0010-7824(88)90032-8
16	1994	Agarwal A., Ikemoto I., Loughlin K.R.	Relationship of sperm parameters with levels of reactive oxygen species in semen specimens	Journal of Urology	152	1	107	110	125	10.1016/S0022-5347(17)32829-X
17	1994	Agarwal A., Ikemoto I., Loughlin K.R.	Effect of sperm washing on levels of reactive oxygen species in semen	Systems Biology in Reproductive Medicine	33	3	157	162	62	10.3109/01485019408987819
18	1994	Agarwal A., Ikemoto I., Loughlin K.R.	Levels of reactive oxygen species before and after sperm preparation: Comparison of swim-up and I4 filtration	Systems Biology in Reproductive Medicine	32	3	169	174	16	10.3109/01485019408987783
19	1994	Ikemoto I., Agarwal A., Fanning L., Loughlin K.R.	Improvement in membrane integrity and acrosin levels of human sperm by use of I4 membrane	Systems Biology in Reproductive Medicine	32	2	89	93	1	10.3109/01485019408987773
20	1994	Ikemoto I., Fanning L., Loughlin K.R., Agarwal A.	Sperm acrosin levels in semen: comparison between ACCU-SPERM and Kennedy's methods	Andrologia	26	5	271	276	1	10.1111/j.1439-0272.1994.tb00801.x

21	1994	Ikemoto I., Ozturk E., Loughlin K.R., Agarwal A.	Micro-cell chamber and washed human spermatozoa	Systems Biology in Reproductive Medicine	32	1	77	78		10.3109/01485019408987771
22	1994	Agarwal A., Ozturk E., Ikemoto I., Loughlin K.R.	Effect of temperature on motility parameters of human spermatozoa	Molecular Andrology	6	1	1	4		
23	1995	Shekarriz M., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Positive myeloperoxidase staining (Endtz test) as an indicator of excessive reactive oxygen species formation in semen	Journal of Assisted Reproduction and Genetics	12	2	70	74	85	10.1007/BF02211372
24	1995	Shekarriz M., DeWire D.M., Thomas Jr. A.J., Agarwal A.	A method of human semen centrifugation to minimize the latrogenic sperm injuries caused by reactive oxygen species	European Urology	28	1	31	35	85	10.1159/000475016
25	1995	Agarwal A., Tolentino M.V., Jr., Sidhu M.D.R.S., Ayzman I., Lee J.-C., Thomas A.J., Jr., Shekarriz M.	Effect of cryopreservation on semen quality in patients with testicular cancer	Urology	46	3	382	389	64	10.1016/S0090-4295(99)80224-6
26	1995	Shekarriz M., Thomas Jr. A.J., Agarwal A.	Incidence and level of seminal reactive oxygen species in normal men	Urology	45	1	103	107	52	10.1016/S0090-4295(95)97088-6
27	1995	Shekarriz M., Tolentino M.V., Jr., Ayzman I., Lee J.-C., Thomas A.J., Jr., Agarwal A.	Cryopreservation and semen quality in patients with Hodgkin's disease	Cancer	75	11	2732	2736	34	
28	1995	Agarwal A., Sidhu R.K., Shekarriz M., Thomas Jr. A.J.	Optimum Abstinence Time for Cryopreservation of Semen in Cancer Patients	The Journal of Urology	154	1	86	88	21	10.1016/S0022-5347(01)67235-5
29	1995	Shekarriz M., Thomas A.J., Agarwal A.	Effects of time and sperm concentration on reactive oxygen species formation in human semen	Systems Biology in Reproductive Medicine	34	2	69	75	10	10.3109/01485019508987833
30	1995	Prakash P., Ozturk E., Maclaughlin D.T., Schiff I., Loughlin K.R., Agarwal A.	Interlaboratory interprotocol comparison of indirect immunobead assay for sperm-associated antibodies in serum	Systems Biology in Reproductive Medicine	34	3	133	139		10.3109/01485019508987841
31	1996	Sharma R.K., Agarwal A.	Role of reactive oxygen species in male infertility	Urology	48	6	835	850	663	10.1016/S0090-4295(96)00313-5
32	1996	Agarwal A., Shekarriz M., Sidhu R.K., Thomas Jr. A.J.	Value of clinical diagnosis in predicting the quality of cryopreserved sperm from cancer patients	Journal of Urology	155	3	934	938	42	10.1016/S0022-5347(01)66350-X
33	1996	Esteves S.C., Sharma R.K., Thomas A.J. Jr., Agarwal A.	Suitability of the hypo-osmotic swelling test for assessing the viability of cryopreserved sperm	Fertility and Sterility	66	5	798	804	39	
34	1996	Sharma R.K., Agarwal A.	Sperm quality improvement in cryopreserved human semen	Journal of Urology	156	3	1008	1012	24	10.1016/S0022-5347(01)65687-8
35	1996	Sharma R.K., Tolentino Jr. M.V., Thomas Jr. A.J., Agarwal A.	Optimal dose and duration of exposure to artificial stimulants in cryopreserved human spermatozoa	Journal of Urology	155	2	568	573	17	10.1016/S0022-5347(01)66451-6
36	1996	Sharma R.K., Tolentino Jr. M.V., Agarwal A.	Sperm kinematics of cryopreserved normozoospermic specimens after artificial stimulation	Urology	47	1	77	81	10	10.1016/S0090-4295(99)80386-0
37	1997	Padron O.F., Lynne C.M., Brackett N.L., Thomas Jr. A.J., Sharma R.K., Agarwal A.	Seminal reactive oxygen species and sperm motility and morphology in men with spinal cord injury	Fertility and Sterility	67	6	1115	1120	149	10.1016/S0015-0282(97)81448-3
38	1997	Wang Y., Goldberg J., Sharma R.K., Agarwal A., Falcone T.	Importance of reactive oxygen species in the peritoneal fluid of women with endometriosis or idiopathic infertility	Fertility and Sterility	68	5	826	830	96	10.1016/S0015-0282(97)00343-9
39	1997	Padron O.F., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Effects of cancer on spermatozoa quality after cryopreservation: A 12- year experience	Fertility and Sterility	67	2	326	331	77	10.1016/S0015-0282(97)81919-X
40	1997	Wang Y., Sharma R.K., Agarwal A.	Effect of cryopreservation and sperm concentration on lipid peroxidation in human semen	Urology	50	3	409	413	37	10.1016/S0090-4295(97)00219-7
41	1997	Sharma R.K., Padron O.F., Thomas Jr. A.J., Agarwal A.	Factors associated with the quality before freezing and after thawing of sperm obtained by microsurgical epididymal aspiration	Fertility and Sterility	68	4	626	631	26	10.1016/S0015-0282(97)00274-4
42	1997	Agarwal A., Ikemoto I., Loughlin K.R.	Prevention of testicular damage by free-radical scavengers	Urology	50	5	759	763	22	10.1016/S0090-4295(97)00328-2
43	1997	Sidhu R.S., Sharma R.K., Kachoria S., Curtis C., Agarwal A.	Reasons for rejecting potential donors from a sperm bank program	Journal of Assisted Reproduction and Genetics	14	6	354	360	12	10.1007/BF02765841

44	1997	Sharma R.K., Agarwal A.	Influence of artificial stimulation on unprocessed and Percoll-washed cryopreserved sperm	Archives of Andrology	38	3	173	179	11	10.3109/01485019708994875
45	1997	Sharma R.K., Vemulapalli S., Kohn S., Agarwal A.	Effect of centrifuged speed, refrigeration medium, and sperm washing medium on cryopreserved sperm quality after thawing	Archives of Andrology	39	1	33	38	11	10.3109/01485019708987899
46	1997	Sharma R.K., Agarwal A.	Artificial stimulation of cryopreserved human spermatozoa by sodium nitroprusside, 2-chloroadenosine, and 2-deoxyadenosine	European Urology	32	3	344	352	10	
47	1997	Sidhu R.S., Sharma R.K., Agarwal A.	Effects of cryopreserved semen quality and timed intrauterine insemination on pregnancy rate and gender of offspring in a donor insemination program	Journal of Assisted Reproduction and Genetics	14	9	531	537	10	10.1023/A:1021131511209
48	1997	Sharma R.K., Seifarth K., Agarwal A.	Comparison of single and two-layer percoll separation for selection of motile spermatozoa	International Journal of Fertility and Women's Medicine	42	6	412	417	7	
49	1997	Sharma R.K., Vemulapalli S., Kohn S., Agarwal A.	Effect of centrifuge speed, refrigeration medium, and sperm washing medium on cryopreserved sperm quality after thawing	Systems Biology in Reproductive Medicine	39	1	33	38	6	10.3109/01485019708987899
50	1997	Sharma R.K., Padron O.F., Agarwal A.	Usefulness of the acrobead test in evaluating human acrosome function in fresh and cryopreserved sperm	Journal of Urology	157	5	1692	1696	6	10.1016/S0022-5347(01)64836-5
51	1997	Sharma R.K., Kohn S., Padron O.F., Agarwal A.	Effect of artificial stimulants on cryopreserved spermatozoa from cancer patients	Journal of Urology	157	2	521	524	5	10.1016/S0022-5347(01)65192-9
52	1997	Sidhu R.S., Wang Y., Agarwal A.	Creatine kinase level and lipid peroxidation rate in human spermatozoa from patients with cancer	Journal of Assisted Reproduction and Genetics	14	9	538	542	5	10.1023/A:1021183528047
53	1997	Wang Y., Sharma R.K., Agarwal A.	Effect of lipid peroxidation on cryopreserved semen quality in patients with testicular or nontesticular cancer	Urology	50	3	414	417	4	10.1016/S0090-4295(97)00217-3
54	1998	Zippe C.D., Kedia A.W., Kedia K., Nelson D.R., Agarwal A.	Treatment of erectile dysfunction after radical prostatectomy with sildenafil citrate (Viagra)	Urology	52	6	963	966	155	10.1016/S0090-4295(98)00443-9
55	1998	Esteves S.C., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Cryopreservation of human spermatozoa with pentoxifylline improves the post-thaw agonist-induced acrosome reaction rate	Human Reproduction	13	12	3384	3389	60	10.1093/humrep/13.12.3384
56	1998	Hallak J., Hendin B.N., Thomas Jr. A.J., Agarwal A.	Investigation of fertilizing capacity of cryopreserved spermatozoa from patients with cancer	Journal of Urology	159	4	1217	1220	50	10.1016/S0022-5347(01)63561-4
57	1998	Hallak J., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Why cancer patients request disposal of cryopreserved semen specimens posttherapy: A retrospective study	Fertility and Sterility	69	5	889	893	43	10.1016/S0015-0282(98)00035-1
58	1998	Carbone Jr. D.J., Shah A., Thomas Jr. A.J., Agarwal A.	Partial obstruction, not antisperm antibodies, causing infertility after vasovasostomy	Journal of Urology	159	3	827	830	31	10.1016/S0022-5347(01)63744-3
59	1998	Schover L.R., Agarwal A., Thomas Jr. A.J.	Cryopreservation of gametes in young patients with cancer	Journal of Pediatric Hematology/Oncology	20	5	426	428	21	10.1097/00043426-199809000-00003
60	1998	Sidhu R.S., Sharma R.K., Agarwal A.	Relationship between creatine kinase activity and semen characteristics in subfertile men	International Journal of Fertility and Women's Medicine	43	4	192	197	17	
61	1998	Esteves S.C., Sharma R.K., Thomas A.J., Agarwal A.	Effect of in vitro incubation on spontaneous acrosome reaction in fresh and cryopreserved human spermatozoa	International Journal of Fertility and Women's Medicine	43	5	235	242	15	
62	1998	Sidhu R.S., Hallak J., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Relationship between creatine kinase levels and clinical diagnosis of infertility	Journal of Assisted Reproduction and Genetics	15	4	188	192	12	10.1023/A:1023096201880

63	1998	Carbone Jr. D.J., McMahon J.T., Levin H.S., Thomas Jr. A.J., Agarwal A.	Role of electron microscopy of sperm in the evaluation of male infertility during the era of assisted reproduction	Urology	52	2	301	305	10	10.1016/S0090-4295(98)00155-1
64	1998	Hendin B.N., Patel B., Levin H.S., Thomas Jr A.J., Agarwal A.	Identification of spermatozoa and round spermatids in the ejaculates of men with spermatogenic failure	Urology	51	5	816	819	7	10.1016/S0090-4295(98)00007-7
65	1998	Sidhu R.S., Sharma R.K., Lee J.-C., Agarwal A.	Accuracy of computer-assisted semen analysis in prefreeze and post-thaw specimens with high and low sperm counts and motility	Urology	51	2	306	312	5	10.1016/S0090-4295(97)00628-6
66	1999	Sharma R.K., Pasqualotto F.F., Nelson D.R., Thomas Jr. A.J., Agarwal A.	The reactive oxygen species - Total antioxidant capacity score is a new measure of oxidative stress to predict male infertility	Human Reproduction	14	11	2801	2807	284	10.1093/humrep/14.11.2801
67	1999	Hendin B.N., Kolettis P.N., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Varicocele is associated with elevated spermatozoal reactive oxygen species production and diminished seminal plasma antioxidant capacity	Journal of Urology	161	6	1831	1834	281	10.1016/S0022-5347(05)68818-0
68	1999	Sharma S., Zippe C.D., Pandrangi L., Nelson D., Agarwal A.	Exclusion criteria enhance the specificity and positive predictive value of NMP22 and BTA stat	Journal of Urology	162	1	53	57	162	10.1097/00005392-199907000-00014
69	1999	Zippe C., Pandrangi L., Agarwal A.	NMP22 is a sensitive, cost-effective test in patients at risk for bladder cancer	Journal of Urology	161	1	62	65	99	10.1016/S0022-5347(01)62063-9
70	1999	Potts J.M., Pasqualotto F.F., Nelson D., Thomas Jr. A.J., Agarwal A.	Patient characteristics associated with vasectomy reversal	Journal of Urology	161	6	1835	1839	68	10.1016/S0022-5347(05)68819-2
71	1999	Hallak J., Kolettis P.N., Sekhon V.S., Thomas Jr A.J., Agarwal A.	Sperm cryopreservation in patients with testicular cancer	Urology	54	5	894	899	62	10.1016/S0090-4295(99)00267-8
72	1999	Kedia S., Zippe C.D., Agarwal A., Nelson D.R., Lakin M.M.	Treatment of erectile dysfunction with sildenafil citrate (Viagra) after radiation therapy for prostate cancer	Urology	54	2	308	312	58	10.1016/S0090-4295(99)00146-6
73	1999	Kolettis P.N., Sharma R.K., Pasqualotto F.F., Nelson D., Thomas A.J. Jr., Agarwal A.	Effect of seminal oxidative stress on fertility after vasectomy reversal	Fertility and Sterility	71	2	249	255	56	10.1016/S0015-0282(98)00467-1
74	1999	Hallak J., Kolettis P.N., Sekhon V.S., Thomas Jr. A.J., Agarwal A.	Cryopreservation of sperm from patients with leukemia: Is it worth the effort?	Cancer	85	9	1973	1978	35	
75	1999	Zippe C., Pandrangi L., Potts J.M., Kursh E., Novick A., Agarwal A.	NMP22: A sensitive, cost-effective test in patients at risk for bladder cancer	Anticancer Research	19		2621	2623	32	
76	1999	Pasqualotto E.B., Falcone T., Goldberg J.M., Petruskis C., Nelson D.R., Agarwal A.	Risk factors for multiple gestation in women undergoing intrauterine insemination with ovarian stimulation	Fertility and Sterility	72	4	613	618	26	10.1016/S0015-0282(99)00316-7
77	1999	Pasqualotto E.B., Daitch J.A., Hendin B.N., Falcone T., Thomas Jr. A.J., Nelson D.R., Agarwal A.	Relationship of total motile sperm count and percentage motile sperm to successful pregnancy rates following intrauterine insemination	Journal of Assisted Reproduction and Genetics	16	9	476	482	24	10.1023/A:1020598916080
78	1999	Pasqualotto F.F., Agarwal A., Srivastava M., Nelson D.R., Thomas Jr. A.J.	Fertility outcome after repeat vasospermididymostomy	Journal of Urology	162	5	1626	1628	24	10.1016/S0022-5347(05)68182-7
79	1999	Sharma R.K., Wang Y., Falcone T., Goldberg J., Agarwal A.	Effect of peritoneal fluid from endometriosis patients on sperm motion characteristics and acrosome reaction	International Journal of Fertility and Women's Medicine	44	1	31	37	10	
80	1999	Sharma R.K., Seifarth K., Garlak D., Agarwal A.	Comparison of three sperm preparation media	International Journal of Fertility and Women's Medicine	44	3	163	167	7	
81	1999	Zippe C., Pandrangi L., Agarwal A., Casella R., Lehmann K., Gasser T.C.	Re: NMP22 is a sensitive, cost-effective test in patients at risk for bladder cancer [3] (multiple letters)	Journal of Urology	162	2	500	501	1	
82	1999	Esteves S.C., Sharma R.K., Thomas A.J. Jr., Agarwal A., Morshedi M., Oehninger S.	Sperm viability assays - A matter of life and death! [3] (multiple letters)	Fertility and Sterility	72	1	184	185		
83	2000	Pasqualotto F.F., Sharma R.K., Nelson D.R., Thomas Jr. A.J., Agarwal A.	Relationship between oxidative stress, semen characteristics, and clinical diagnosis in men undergoing infertility investigation	Fertility and Sterility	73	3	459	464	260	10.1016/S0015-0282(99)00567-1

84	2000	Zippe C.D., Jhaveri F.M., Klein E.A., Kedia S., Pasqualotto F.F., Kedia A., Agarwal A., Montague D.K., Lakin M.M.	Role of Viagra after radical prostatectomy	Urology	55	2	241	245	160	0.1016/S0090-4295(99)00441-0
85	2000	Attaran M., Pasqualotto E., Falcone T., Goldberg J.M., Miller K.F., Agarwal A., Sharma R.K.	The effect of follicular fluid reactive oxygen species on the outcome of in vitro fertilization	International Journal of Fertility and Women's Medicine	45	5	314	320	150	
86	2000	Pasqualotto F.F., Sharma R.K., Potts J.M., Nelson D.R., Thomas Jr A.J., Agarwal A.	Seminal oxidative stress in patients with chronic prostatitis	Urology	55	6	881	885	120	
87	2000	Potts J.M., Sharma R., Pasqualotto F., Nelson D., Hall G., Agarwal A.	Association of Ureaplasma urealyticum with abnormal reactive oxygen species levels and absence of leukocytospermia	Journal of Urology	163	6	1775	1778	87	
88	2000	Esteves S.C., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Improvement in motion characteristics and acrosome status in cryopreserved human spermatozoa by swim-up processing before freezing	Human Reproduction	15	10	2173	2179	49	
89	2000	Hendin B.N., Falcone T., Hallak J., Nelson D.R., Vemullapalli S., Goldberg J., Thomas Jr. A.J., Agarwal A.	The effect of patient and semen characteristics on live birth rates following intrauterine insemination: A retrospective study	Journal of Assisted Reproduction and Genetics	17	5	245	252	37	10.1023/A:1009402214820
90	2000	Agarwal A.	Semen banking in patients with cancer: 20-year experience	International Journal of Andrology, Supplement	23	2	16	19	37	
91	2000	Hallak J., Sharma R.K., Wellstead C., Agarwal A.	Cryopreservation of human spermatozoa: Comparison of TEST-yolk buffer and glycerol	International Journal of Fertility and Women's Medicine	45	1	38	42	27	
92	2000	Hallak J., Mahran A.M., Agarwal A.	Characteristics of cryopreserved semen from men with lymphoma	Journal of Assisted Reproduction and Genetics	17	10	591	595	19	10.1023/A:1026443510493
93	2000	Pasqualotto F.F., Sharma R.K., Nelson D.R., Thomas Jr. A.J., Agarwal A.	Relationship between oxidative stress, semen characteristics, and clinical diagnosis in men undergoing infertility investigation	Fertility and Sterility	73	3	459	464	232	10.1016/S0015-0282(99)00567-1
94	2000	Zippe C.D., Jhaveri F.M., Klein E.A., Kedia S., Pasqualotto F.F., Kedia A., Agarwal A., Montague D.K., Lakin M.M.	Role of Viagra after radical prostatectomy	Urology	55	2	241	245	154	10.1016/S0090-4295(99)00441-0
95	2000	Attaran M., Pasqualotto E., Falcone T., Goldberg J.M., Miller K.F., Agarwal A., Sharma R.K.	The effect of follicular fluid reactive oxygen species on the outcome of in vitro fertilization	International Journal of Fertility and Women's Medicine	45	5	314	320	135	
96	2000	Pasqualotto F.F., Sharma R.K., Potts J.M., Nelson D.R., Thomas Jr A.J., Agarwal A.	Seminal oxidative stress in patients with chronic prostatitis	Urology	55	6	881	885	112	10.1016/S0090-4295(99)00613-5
97	2001	Naughton C.K., Nangia A.K., Agarwal A.	Pathophysiology of varicoceles in male infertility	Human Reproduction Update	7	5	473	481	263	10.1093/humupd/7.5.473
98	2001	Ollero M., Gil-Guzman E., Lopez M.C., Sharma R.K., Agarwal A., Larson K., Evenson D., Thomas Jr A.J., Alvarez J.G.	Characterization of subsets of human spermatozoa at different stages of maturation: Implications in the diagnosis and treatment of male infertility	Human Reproduction	16	9	1912	1921	248	10.1093/humrep/16.9.1912
99	2001	Gil-Guzman E., Ollero M., Lopez M.C., Sharma R.K., Alvarez J.G., Thomas Jr. A.J., Agarwal A.	Differential production of reactive oxygen species by subsets of human spermatozoa at different stages of maturation	Human Reproduction	16	9	1922	1930	237	10.1093/humrep/16.9.1922
100	2001	Sharma R.K., Pasqualotto F.F., Nelson D.R., Thomas A.J., Jr., Agarwal A.	Relationship between seminal white blood cell counts and oxidative stress in men treated at an infertility clinic	Journal of Andrology	22	4	575	583	169	10.1002/j.1939-4640.2001.tb02217.x

101	2001	Kobayashi H., Gil-Guzman E., Mahran A.M., Sharma R.K., Nelson D.R., Thomas A.J., Jr., Agarwal A.	Quality control of reactive oxygen species measurement by luminol-dependent chemiluminescence assay	Journal of Andrology	22	4	568	574	131	10.1002/((ISSN)1939-4640
102	2001	Ponsky L.E., Sharma S., Pandrangi L., Kedia S., Nelson D., Agarwal A., Zippe C.D.	Screening and monitoring for bladder cancer: Refining the use of NMP22	Journal of Urology	166	1	75	78	102	10.1016/S0022-5347(05)66080-6
103	2001	Pasqualotto F.F., Sharma R.K., Kobayashi H., Nelson D.R., Thomas A.J., Jr., Agarwal A.	Oxidative stress in normospermic men undergoing infertility evaluation	Journal of Andrology	22	2	316	322	100	10.1002/j.1939-4640.2001.tb02185.x
104	2001	Daitch J.A., Bedaiwy M.A., Pasqualotto E.B., Hendin B.N., Hallak J., Falcone T., Thomas Jr. A.J., Nelson D.R., Agarwal A.	Varicocelectomy improves intrauterine insemination success rates in men with varicocele	Journal of Urology	165	5	1510	1513	80	
105	2001	Kobayashi H., Larson K., Sharma R.K., Nelson D.R., Evenson D.P., Toma H., Thomas Jr. A.J., Agarwal A.	DNA damage in patients with untreated cancer as measured by the sperm chromatin structure assay	Fertility and Sterility	75	3	469	475	51	10.1016/S0015-0282(00)01740-4
106	2001	Zippe C.D., Raina R., Thukral M., Lakin M.M., Klein E.A., Agarwal A.	Management of erectile dysfunction following radical prostatectomy.	Current urology reports	2	6	495	503	51	10.1007/s11934-001-0045-5
107	2001	Hallak J., Sharma R.K., Pasqualotto F.F., Ranganathan P., Thomas Jr A.J., Agarwal A.	Creatine kinase as an indicator of sperm quality and maturity in men with oligospermia	Urology	58	3	446	451	25	10.1016/S0090-4295(01)01224-9
108	2001	Ranganathan P., Mahran A.M., Hallak J., Agarwal A.	Sperm cryopreservation for men with nonmalignant, systemic disease: A descriptive study	Journal of Andrology	23	1	71	75	22	
109	2001	Singh M., Goldberg J., Falcone T., Nelson D., Pasqualotto E., Attaran M., Agarwal A.	Superovulation and intrauterine insemination in cases of treated mild pelvic disease	Journal of Assisted Reproduction and Genetics	18	1	26	29	8	10.1023/A:1026446612485
110	2001	Pasqualotto F.F., Agarwal A.	Should we offer semen cryopreservation to men with testicular cancer?	Cleveland Clinic journal of medicine	68	2	101	102	5	10.3949/ccjm.68.2.101
111	2001	Raina R., Khattri S., Thukral M., Lakin M.M., Agarwal A., Zippe C.D.	Treatment option for erectile dysfunction	Journal of Internal Medicine of India	4	4	198	209	1	
112	2002	Saleh R.A., Agarwal A.	Oxidative stress and male infertility: From research bench to clinical practice	Journal of Andrology	23	6	737	752	395	
113	2002	Bedaiwy M.A., Falcone T., Sharma R.K., Goldberg J.M., Attaran M., Nelson D.R., Agarwal A.	Prediction of endometriosis with serum and peritoneal fluid markers: A prospective controlled trial	Human Reproduction	17	2	426	431	316	
114	2002	Agarwal A., Saleh R.A.	Role of oxidants in male infertility: Rationale, significance, and treatment	Urologic Clinics of North America	29	4	817	827	243	10.1016/S0094-0143(02)00081-2
115	2002	Saleh R.A., Agarwal A., Sharma R.K., Nelson D.R., Thomas Jr. A.J.	Effect of cigarette smoking on levels of seminal oxidative stress in infertile men: a prospective study	Fertility and Sterility	78	3	491	499	219	10.1016/S0015-0282(02)03294-6
116	2002	Saleh R.A., Agarwal A., Nelson D.R., Nada E.A., El-Tonsy M.H., Alvarez J.G., Thomas Jr A.J., Sharma R.K.	Increased sperm nuclear DNA damage in normozoospermic infertile men: A prospective study	Fertility and Sterility	78	2	313	318	182	10.1016/S0015-0282(02)03219-3
117	2002	Saleh R.A., Agarwal A., Kandirali E., Sharma R.K., Thomas Jr. A.J., Nada E.A., Evenson D.P., Alvarez J.G.	Leukocytospermia is associated with increased reactive oxygen species production by human spermatozoa	Fertility and Sterility	78	6	1215	1224	158	10.1016/S0015-0282(02)04237-1
118	2002	Wang X., Falcone T., Attaran M., Goldberg J.M., Agarwal A., Sharma R.K.	Vitamin C and vitamin E supplementation reduce oxidative stress-induced embryo toxicity and improve the blastocyst development rate	Fertility and Sterility	78	6	1272	1277	113	10.1016/S0015-0282(02)04236-X
119	2002	Alvarez J.G., Sharma R.K., Ollero M., Saleh R.A., Lopez M.C., Thomas Jr A.J., Evenson D.P., Agarwal A.	Increased DNA damage in sperm from leukocytospermic semen samples as determined by the sperm chromatin structure assay	Fertility and Sterility	78	2	319	329	111	10.1016/S0015-0282(02)03201-6
120	2002	Esfandiari N., Saleh R.A., Blaut A.P., Sharma R.K., Nelson D.R., Thomas Jr. A.J., Falcone T., Agarwal A.	Effects of temperature on sperm motion characteristics and reactive oxygen species	International Journal of Fertility and Women's Medicine	47	5	227	233	19	
121	2002	Agarwal A., Saleh R.A.	Utility of oxidative stress test in the male infertility clinic	Zhonghua nan ke xue = National journal of andrology	8	1	1	9	13	

122	2002	Agarwal A., Raina R.	Pathogenesis of oxidative stress and its significance in male infertility	Journal of Internal Medicine of India	5	4	176	185		
123	2003	Agarwal A., Saleh R.A., Bedaiwy M.A.	Role of reactive oxygen species in the pathophysiology of human reproduction	Fertility and Sterility	79	4	829	843	846	10.1016/S0015-0282(02)04948-8
124	2003	Agarwal A., Said T.M.	Role of sperm chromatin abnormalities and DNA damage in male infertility	Human Reproduction Update	9	4	331	345	515	10.1093/humupd/dmg027
125	2003	Saleh R.A., Agarwal A., Nada E.A., El-Tonsy M.H., Sharma R.K., Meyer A., Nelson D.R., Thomas Jr. A.J.	Negative effects of increased sperm DNA damage in relation to seminal oxidative stress in men with idiopathic and male factor infertility	Fertility and Sterility	79	SUPPL. 3	1597	1605	288	10.1016/S0015-0282(03)00337-6
126	2003	Wang X., Sharma R.K., Sikka S.C., Thomas Jr. A.J., Falcone T., Agarwal A.	Oxidative stress is associated with increased apoptosis leading to spermatozoa DNA damage in patients with male factor infertility	Fertility and Sterility	80	3	531	535	253	10.1016/S0015-0282(03)00756-8
127	2003	Saleh R.A., Agarwal A., Sharma R.K., Said T.M., Sikka S.C., Thomas Jr. A.J.	Evaluation of nuclear DNA damage in spermatozoa from infertile men with varicocele	Fertility and Sterility	80	6	1431	1436	226	10.1016/S0015-0282(03)02211-8
128	2003	Wang X., Sharma R.K., Gupta A., George V., Thomas Jr. A.J., Falcone T., Agarwal A.	Alterations in mitochondria membrane potential and oxidative stress in infertile men: A prospective observational study	Fertility and Sterility	80	SUPPL. 2	844	850	160	10.1016/S0015-0282(03)00983-X
129	2003	Raina R., Lakin M.M., Agarwal A., Sharma R., Goyal K.K., Montague D.K., Klein E., Zippe C.D.	Long-term effect of sildenafil citrate on erectile dysfunction after radical prostatectomy: 3-year follow-up	Urology	62	1	110	115	73	10.1016/S0090-4295(03)00157-2
130	2003	Esfandiari N., Sharma R.K., Saleh R.A., Thomas Jr. A.J., Agarwal A.	Utility of the Nitroblue Tetrazolium Reduction Test for Assessment of Reactive Oxygen Species Production by Seminal Leukocytes and Spermatozoa	Journal of Andrology	24	6	862	870	73	10.1002/j.1939-4640.2003.tb03137.x
131	2003	Said T.M., Kattal N., Sharma R.K., Sikka S.C., Thomas Jr. A.J., Mascha E., Agarwal A.	Enhanced Chemiluminescence Assay vs Colorimetric Assay for Measurement of the Total Antioxidant Capacity of Human Seminal Plasma	Journal of Andrology	24	5	676	680	69	10.1002/j.1939-4640.2003.tb02726.x
132	2003	Raina R., Lakin M.M., Thukra M., Agarwal A., Ausmundson S., Montague D.K., Klein E., Zippe C.D.	Long-term efficacy and compliance of intracorporeal (IC) injection for erectile dysfunction following radical prostatectomy: SHIM (IIEF-5) analysis	International Journal of Impotence Research	15	5	318	322	59	10.1038/sj.ijir.3901025
133	2003	Saleh R.A., Ranga G.M., Raina R., Nelson D.R., Agarwal A.	Sexual dysfunction in men undergoing infertility evaluation: A cohort observational study	Fertility and Sterility	79	4	909	912	58	10.1016/S0015-0282(02)04921-X
134	2003	Agarwal A., Sharma R.K., Nelson D.R.	New semen quality scores developed by principal component analysis of semen characteristics	Journal of Andrology	24	3	343	352	54	10.1002/j.1939-4640.2003.tb02681.x
135	2003	Burrello N., Vicari E., Shin P., Agarwal A., De Palma A., Grazioso C., D'Agata R., Calogero A.E.	Lower sperm aneuploidy frequency is associated with high pregnancy rates in ICSI programmes	Human Reproduction	18	7	1371	1376	53	10.1093/humrep/deg299
136	2003	Raina R., Agarwal A., Goyal K.K., Jackson C., Ulchaker J., Angermeier K., Klein E., Ciezki J., Zippe C.D.	Long-term potency after iodine-125 radiotherapy for prostate cancer and role of sildenafil citrate	Urology	62	6	1103	1108	38	10.1016/S0090-4295(03)00767-2
137	2003	Paasch U., Agarwal A., Gupta A.K., Sharma R.K., Grunewald S., Thomas Jr. A.J., Glander H.-J.	Apoptosis Signal Transduction and the Maturity Status of Human Spermatozoa	Annals of the New York Academy of Sciences	1010		486	488	24	10.1196/annals.1299.088
138	2003	Pasqualotto F.F., Pasqualotto E.B., Agarwal A., Thomas Jr. A.J.	Detection of testicular cancer in men presenting with infertility.	Revista do Hospital das Clínicas	58	2	75	80	12	10.1590/S0041-87812003000200004
139	2003	Pasqualotto F.F., Pasqualotto E.B., Agarwal A., Thomas Jr. A.J.	Results of microsurgical anastomosis in men with seminal tract obstruction due to inguinal herniorrhaphy	Revista do Hospital das Clínicas	58	6	305	309	11	10.1590/S0041-87812003000600003
140	2003	Bedaiwy M.A., Sharma R.K., Alhussaini T.K., Mohamed M.S., Abdel Aleem A.M., Nelson D.R., Thomas Jr. A.J., Agarwal A.	The use of novel semen quality scores to predict pregnancy in couples with male-factor infertility undergoing intrauterine insemination	Journal of Andrology	24	3	353	360	7	10.1002/j.1939-4640.2003.tb02682.x
141	2003	Esfandiari N., Falcone T., Bedaiwy M.A., Agarwal A., Jeremias E., Sharma R.K.	Autologous transplantation of cryopreserved ovary induces the generation of anti-ovary antibodies in sheep [4]	Fertility and Sterility	80	4	1062	1064	6	10.1016/S0015-0282(03)01119-1

142	2003	Correa-Pérez J.R., Agarwal A., Saleh R.A., Sharma R.K., Nelson D.R., Thomas Jr. A.J.	Smoking and sperm viability - A never-ending story [11] (multiple letters)	Fertility and Sterility	79	6	1469	1470	1	10.1016/S0015-0282(03)00411-4
143	2003	Correa-Pérez J.R., Fernández-Pelegrina R., Aslanis P., Zavos P.M., Agarwal A.	Sexual dysfunction and sperm count - Association? [9] (multiple letters)	Fertility and Sterility	80	6	1542	1543		10.1016/j.fertnstert.2003.09.011
144	2004	Moustafa M., Sharma R.K., Thornton J., Mascha E., Abdel-Hafez M.A., Thomas Jr. A.J., Agarwal A.	Relationship between ROS production, apoptosis and DNA denaturation in spermatozoa from patients examined for infertility	Human Reproduction	19	1	129	138	287	10.1093/humrep/deh024
145	2004	Agarwal A., Nallella K.P., Allamaneni S.S.R., Said T.M.	Role of antioxidants in treatment of male infertility: An overview of the literature	Reproductive BioMedicine Online	8	6	616	627	286	10.1016/S1472-6483(10)61641-0
146	2004	Said T.M., Paasch U., Glander H.-J., Agarwal A.	Role of caspases in male infertility	Human Reproduction Update	10	1	39	51	193	10.1093/humupd/dmh003
147	2004	Agarwal A., Allamaneni S.S.R.	Role of free radicals in female reproductive diseases and assisted reproduction	Reproductive BioMedicine Online	9	3	338	347	184	10.1016/S1472-6483(10)62151-7
148	2004	Paasch U., Sharma R.K., Gupta A.K., Grunewald S., Mascha E.J., Thomas Jr. A.J., Glander H.-J., Agarwal A.	Cryopreservation and thawing is associated with varying extent of activation of apoptotic machinery in subsets of ejaculated human spermatozoa	Biology of Reproduction	71	6	1828	1837	163	10.1095/biolreprod.103.025627
149	2004	Aziz N., Saleh R.A., Sharma R.K., Lewis-Jones I., Esfandiari N., Thomas Jr. A.J., Agarwal A.	Novel association between sperm reactive oxygen species production, sperm morphological defects, and the sperm deformity index	Fertility and Sterility	81	2	349	354	161	10.1016/j.fertnstert.2003.06.026
150	2004	Pasqualotto E.B., Agarwal A., Sharma R.K., Izzo V.M., Pinotti J.A., Joshi N.J., Rose B.I.	Effect of oxidative stress in follicular fluid on the outcome of assisted reproductive procedures	Fertility and Sterility	81	4	973	976	153	10.1016/j.fertnstert.2003.11.021
151	2004	Lenzi A., Sgrò P., Salacone P., Paoli D., Gilio B., Lombardo F., Santulli M., Agarwal A., Gandini L.	A placebo-controlled double-blind randomized trial of the use of combined L-carnitine and L-acetyl-carnitine treatment in men with asthenozoospermia	Fertility and Sterility	81	6	1578	1584	148	10.1016/j.fertnstert.2003.10.034
152	2004	Bedaiwy M.A., Falcone T., Mohamed M.S., Aleem A.A.N., Sharma R.K., Worley S.E., Thornton J., Agarwal A.	Differential growth of human embryos in vitro: Role of reactive oxygen species	Fertility and Sterility	82	3	593	600	139	10.1016/j.fertnstert.2004.02.121
153	2004	Sharma R.K., Said T., Agarwal A.	Sperm DNA damage and its clinical relevance in assessing reproductive outcome	Asian Journal of Andrology	6	2	139	148	135	
154	2004	Paasch U., Grunewald S., Agarwal A., Glandera H.-J.	Activation pattern of caspases in human spermatozoa	Fertility and Sterility	81	SUPPL. 1	802	809	125	10.1016/j.fertnstert.2003.09.030
155	2004	Agarwal A., Said T.M.	Carnitines and male infertility	Reproductive BioMedicine Online	8	4	376	384	107	10.1016/S1472-6483(10)60920-0
156	2004	Allamaneni S.S.R., Naughton C.K., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Increased seminal reactive oxygen species levels in patients with varicoceles correlate with varicocele grade but not with testis size	Fertility and Sterility	82	6	1684	1686	105	10.1016/j.fertnstert.2004.04.071
157	2004	Agarwal A., Allamaneni S.S.R.	The effect of sperm DNA damage on assisted reproduction outcomes: A review	Minerva Ginecologica	56	3	235	245	102	
158	2004	Agarwal A., Ranganathan P., Kattal N., Pasqualotto F., Hallak J., Khayal S., Mascha E.	Fertility after cancer: A prospective review of assisted reproductive outcome with banked semen specimens	Fertility and Sterility	81	2	342	348	102	10.1016/j.fertnstert.2003.07.021
159	2004	Zalata A.A., Ahmed A.H., Allamaneni S.S.R., Comhaire F.H., Agarwal A.	Relationship between acrosin activity of human spermatozoa and oxidative stress	Asian Journal of Andrology	6	4	313	318	81	
160	2004	Raina R., Lakin M.M., Agarwal A., Mascha E., Montague D.K., Klein E., Zippe C.D.	Efficacy and factors associated with successful outcome of sildenafil citrate use for erectile dysfunction after radical prostatectomy	Urology	63	5	960	966	72	10.1016/j.urology.2003.12.012
161	2004	Aziz N., Agarwal A., Lewis-Jones I., Sharma R.K., Thomas Jr. A.J.	Novel associations between specific sperm morphological defects and leukocytospermia	Fertility and Sterility	82	3	621	627	63	10.1016/j.fertnstert.2004.02.112
162	2004	Nallella K.P., Allamaneni S.S.R., Pasqualotto F.F., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Relationship of interleukin-6 with semen characteristics and oxidative stress in patients with varicocele	Urology	64	5	1010	1013	59	10.1016/j.urology.2004.05.045
163	2004	Zippe C.D., Raina R., Massanyi E.Z., Agarwal A., Jones J.S., Ulchaker J., Klein E.A.	Sexual function after male radical cystectomy in a sexually active population	Urology	64	4	682	685	56	10.1016/j.urology.2004.05.056

164	2004	Zippe C.D., Raina R., Shah A.D., Massanyi E.Z., Agarwal A., Ulchaker J., Jones S., Klein E.	Female sexual dysfunction after radical cystectomy: A new outcome measure	Urology	63	6	1153	1157	55	10.1016/j.urology.2003.12.034
165	2004	Agarwal A., Allamaneni S.S.R., Said T.M.	Chemiluminescence technique for measuring reactive oxygen species	Reproductive BioMedicine Online	9	4	466	468	54	10.1016/S1472-6483(10)61284-9
166	2004	Said T.M., Agarwal A., Sharma R.K., Mascha E., Sikka S.C., Thomas Jr. A.J.	Human sperm superoxide anion generation and correlation with semen quality in patients with male infertility	Fertility and Sterility	82	4	871	877	52	10.1016/j.fertnstert.2004.02.132
167	2004	Nallella K.P., Sharma R.K., Allamaneni S.S.R., Aziz N., Agarwal A.	Cryopreservation of human spermatozoa: Comparison of two cryopreservation methods and three cryoprotectants	Fertility and Sterility	82	4	913	918	50	10.1016/j.fertnstert.2004.02.126
168	2004	Agarwal A., Allamaneni S.S.R.	Oxidants and antioxidants in human fertility	Middle East Fertility Society Journal	9	3	187	197	43	
169	2004	Sharma R.K., Agarwal A.	Role of reactive oxygen species in gynecologic diseases	Reproductive Medicine and Biology	3	4	177	199	41	10.1111/j.1447-0578.2004.00068.x
170	2004	Agarwal A., Said T.M.	Implications of systemic malignancies on human fertility	Reproductive BioMedicine Online	9	6	673	679	36	10.1016/S1472-6483(10)61779-8
171	2004	Raina R., Lakin M.M., Agarwal A., Ausmundson S., Montague D.K., Zippe C.D.	Long-term intracavernous therapy responders can potentially switch to sildenafil citrate after radical prostatectomy.	Urology	63	3	532	538	21	
172	2004	Nallella K.P., Sharma R.K., Said T.M., Agarwal A.	Inter-sample variability in post-thaw human spermatozoa	Cryobiology	49	2	195	199	17	10.1016/j.cryobiol.2004.07.003
173	2004	Allamaneni S.S.R., Bandaranayake I., Agarwal A.	Use of semen quality scores to predict pregnancy rates in couples undergoing intrauterine insemination with donor sperm	Fertility and Sterility	82	3	606	611	15	10.1016/j.fertnstert.2004.02.113
174	2004	Mancini M., Raina R., Agarwal A., Nerva F., Colpi G.M.	Sildenafil citrate vs intracavernous alprostadil for patients with arteriogenic erectile dysfunction: A randomised placebo controlled study	International Journal of Impotence Research	16	1	8	12	5	10.1038/sj.ijir.3901123
175	2005	Agarwal A., Gupta S., Sharma R.K.	Role of oxidative stress in female reproduction	Reproductive Biology and Endocrinology	3				745	10.1186/1477-7827-3-28
176	2005	Agarwal A., Said T.M.	Oxidative stress, DNA damage and apoptosis in male infertility: A clinical approach	BJU International	95	4	503	507	267	10.1111/j.1464-410X.2005.05328.x
177	2005	Agarwal A., Gupta S., Sharma R.	Oxidative stress and its implications in female infertility - A clinician's perspective	Reproductive BioMedicine Online	11	5	641	650	208	10.1016/S1472-6483(10)61174-1
178	2005	Agarwal A., Prabakaran S.A.	Mechanism, measurement, and prevention of oxidative stress in male reproductive physiology	Indian Journal of Experimental Biology	43	11	963	974	183	
179	2005	Agarwal A., Prabakaran S.A., Said T.M.	Prevention of oxidative stress injury to sperm	Journal of Andrology	26	6	654	660	158	10.2164/jandrol.05016
180	2005	Gupta S., Agarwal A., Sharma R.K.	The role of placental oxidative stress and lipid peroxidation in preeclampsia	Obstetrical and Gynecological Survey	60	12	807	816	120	10.1097/01.ogx.0000193879.79268.59
181	2005	Said T.M., Agarwal A., Sharma R.K., Thomas Jr. A.J., Sikka S.C.	Impact of sperm morphology on DNA damage caused by oxidative stress induced by β -nicotinamide adenine dinucleotide phosphate	Fertility and Sterility	83	1	95	103	109	10.1016/j.fertnstert.2004.06.056
182	2005	Agarwal A., Allamaneni S.S.R.	Sperm DNA damage assessment: A test whose time has come	Fertility and Sterility	84	4	850	853	107	10.1016/j.fertnstert.2005.03.080
183	2005	Agarwal A., Allamaneni S.S.	Disruption of spermatogenesis by the cancer disease process.	Journal of the National Cancer Institute. Monographs		34	9	12	80	10.1093/jncimonographs/lgi005

184	2005	Said T.M., Grunewald S., Paasch U., Glander H.-J., Baumann T., Kriegel C., Li L., Agarwal A.	Advantage of combining magnetic cell separation with sperm preparation techniques	Reproductive BioMedicine Online	10	6	740	746	76	10.1016/S1472-6483(10)61118-2
185	2005	Said T.M., Agarwal A., Falcone T., Sharma R.K., Bedaiwy M.A., Li L.	Infliximab may reverse the toxic effects induced by tumor necrosis factor alpha in human spermatozoa: An in vitro model	Fertility and Sterility	83	6	1665	1673	72	10.1016/j.fertnstert.2004.11.068
186	2005	Grunewald S., Paasch U., Said T.M., Sharma R.K., Glander H.-J., Agarwal A.	Caspase activation in human spermatozoa in response to physiological and pathological stimuli	Fertility and Sterility	83	4 SUPPL.	1106	1112	65	10.1016/j.fertnstert.2004.12.011
187	2005	Agarwal A., Allamaneni S.S.R., Nallella K.P., George A.T., Mascha E.	Correlation of reactive oxygen species levels with the fertilization rate after in vitro fertilization: A qualified meta-analysis	Fertility and Sterility	84	1	228	231	61	10.1016/j.fertnstert.2004.12.057
188	2005	Said T.M., Aziz N., Sharma R.K., Lewis-Jones I., Thomas Jr. A.J., Agarwal A.	Novel association between sperm deformity index and oxidative stress-induced DNA damage in infertile male patients	Asian Journal of Andrology	7	2	121	126	56	10.1111/j.1745-7262.2005.00022.x
189	2005	Allamaneni S.S.R., Agarwal A., Nallella K.P., Sharma R.K., Thomas Jr. A.J., Sikka S.C.	Characterization of oxidative stress status by evaluation of reactive oxygen species levels in whole semen and isolated spermatozoa	Fertility and Sterility	83	3	800	803	54	10.1016/j.fertnstert.2004.05.106
190	2005	Said T.M., Grunewald S., Paasch U., Rasch M., Agarwal A., Glander H.-J.	Effects of magnetic-activated cell sorting on sperm motility and cryosurvival rates	Fertility and Sterility	83	5	1442	1446	51	10.1016/j.fertnstert.2004.11.052
191	2005	Raina R., Agarwal A., Allamaneni S.S.R., Lakin M.M., Zippe C.D.	Sildenafil citrate and vacuum constriction device combination enhances sexual satisfaction in erectile dysfunction after radical prostatectomy	Urology	65	2	360	364	43	10.1016/j.urology.2004.09.013
192	2005	Raina R., Agarwal A., Ausmundson S., Mansour D., Zippe C.D.	Long-term efficacy and compliance of MUSE for erectile dysfunction following radical prostatectomy: SHIM (IIEF-5) analysis	International Journal of Impotence Research	17	1	86	90	41	10.1038/sj.ijir.3901284
193	2005	Said T.M., Ranga G., Agarwal A.	Relationship between semen quality and tobacco chewing in men undergoing infertility evaluation	Fertility and Sterility	84	3	649	653	39	10.1016/j.fertnstert.2005.03.052
194	2005	Hussein M.R., Abou-Deif E.S., Bedaiwy M.A., Said T.M., Mustafa M.G., Nada E., Ezat A., Agarwal A.	Phenotypic characterization of the immune and mast cell infiltrates in the human testis shows normal and abnormal spermatogenesis	Fertility and Sterility	83	5	1447	1453	39	10.1016/j.fertnstert.2004.11.062
195	2005	Zhang X., Sharma R.K., Agarwal A., Falcone T.	Effect of pentoxifylline in reducing oxidative stress-induced embryotoxicity	Journal of Assisted Reproduction and Genetics	22	11-Dec	415	417	37	10.1007/s10815-005-7202-6
196	2005	Raina R., Nandipati K.C., Agarwal A., Mansour D., Kaelber D.C., Zippe C.D.	Combination therapy: Medicated urethral system for erection enhances sexual satisfaction in sildenafil citrate failure following nerve-sparing radical prostatectomy	Journal of Andrology	26	6	757	760	28	10.2164/jandrol.05035
197	2005	Parekattil S.J., Kuang W., Agarwal A., Thomas A.J.	Model to predict if a vasoepididymostomy will be required for vasectomy reversal	Journal of Urology	173	5	1681	1684	28	10.1097/01.ju.0000154608.08496.f2
198	2005	Kumanov P., Nandipati K.C., Tomova A., Robeva R., Agarwal A.	Significance of inhibin in reproductive pathophysiology and current clinical applications	Reproductive BioMedicine Online	10	6	786	796	26	10.1016/S1472-6483(10)61124-8
199	2005	Esfandiari N., Falcone T., Agarwal A., Attaran M., Nelson D.R., Sharma R.K.	Protein supplementation and the incidence of apoptosis and oxidative stress in mouse embryos	Obstetrics and Gynecology	105	3	653	660	23	10.1097/01.AOG.0000152384.91385.71
200	2005	Zippe C.D., Nandipati K.C., Agarwal A., Raina R.	Female sexual dysfunction after pelvic surgery: The impact of surgical modifications	BJU International	96	7	959	963	22	10.1111/j.1464-410X.2005.05737.x
201	2005	Nandipati K.C., Pasqualotto F.F., Thomas Jr. A.J., Agarwal A.	Relationship of interleukin-6 with semen characteristics and oxidative stress in vasectomy reversal patients	Andrologia	37	4	131	134	20	10.1111/j.1439-0272.2005.00668.x
202	2005	Raina R., Agarwal A., Zippe C.D.	Management of erectile dysfunction after radical prostatectomy	Urology	66	5	923	929	19	10.1016/j.urology.2005.05.044
203	2005	Nallella K.P., Sharma R.K., Allamaneni S.S., Agarwal A.	Identification of male factor infertility using a novel semen quality score and reactive oxygen species levels.	Clinics (São Paulo, Brazil)	60	4	317	324	14	10.1590/S1807-59322005000400010

204	2005	Agarwal A., Gupta S.	Role of reactive oxygen species in female reproduction. Part I. Oxidative stress: A general overview	Agro Food Industry Hi-Tech	16	1	21	25	11	
205	2005	Bedaiwy M.A., Falcone T., Goldberg J.M., Attaran M., Sharma R., Miller K., Nelson D.R., Agarwal A.	Relationship between cytokines and the embryotoxicity of hydrosalpingeal fluid	Journal of Assisted Reproduction and Genetics	22	4	161	165	9	10.1007/s10815-005-4913-7
206	2005	Agarwal A., Allamaneni S.S.R.	Sperm chromatin defects in the etiopathogenesis of male infertility [Alteraciones de la cromatina espermática en la etiopatogenia de la infertilidad masculina]	Revista Internacional de Andrologia	3	1	31	37	9	10.1016/S1698-031X(05)74685-9
207	2005	Esfandiari N., Falcone T., Goldberg J.M., Agarwal A., Sharma R.K.	Effects of peritoneal fluid on preimplantation mouse embryo development and apoptosis in vitro	Reproductive BioMedicine Online	11	5	615	619	9	10.1016/S1472-6483(10)61170-4
208	2005	Agarwal A., Gupta S.	Role of reactive oxygen species in female reproduction and the effects of antioxidant supplementation - Part 2	Agro Food Industry Hi-Tech	16	4	38	41	3	
209	2005	Raina R., Lakin M.M., Agarwal A., Mascha E., Montague D.K., Klein E., Zippe C.D.	Erratum: Efficacy and factors associated with successful outcome of sildenafil citrate use for erectile dysfunction after radical prostatectomy (Urology (May 2004) 63 (960-966))	Urology	65	3	632			10.1016/j.urology.2005.01.001
210	2006	Agarwal A., Gupta S., Sikka S.	The role of free radicals and antioxidants in reproduction	Current Opinion in Obstetrics and Gynecology	18	3	325	332	264	10.1097/01.gco.0000193003.58158.4e
211	2006	Agarwal A., Sharma R.K., Nallella K.P., Thomas Jr. A.J., Alvarez J.G., Sikka S.C.	Reactive oxygen species as an independent marker of male factor infertility	Fertility and Sterility	86	4	878	885	172	10.1016/j.fertnstert.2006.02.111
212	2006	Agarwal A., Said T.M., Bedaiwy M.A., Banerjee J., Alvarez J.G.	Oxidative stress in an assisted reproductive techniques setting	Fertility and Sterility	86	3	503	512	169	10.1016/j.fertnstert.2006.02.088
213	2006	Nallella K.P., Sharma R.K., Aziz N., Agarwal A.	Significance of sperm characteristics in the evaluation of male infertility	Fertility and Sterility	85	3	629	634	168	10.1016/j.fertnstert.2005.08.024
214	2006	Raina R., Agarwal A., Ausmundson S., Lakin M., Nandipati K.C., Montague D.K., Mansour D., Zippe C.D.	Early use of vacuum constriction device following radical prostatectomy facilitates early sexual activity and potentially earlier return of erectile function	International Journal of Impotence Research	18	1	77	81	137	10.1038/sj.ijir.3901380
215	2006	Agarwal A., Nandipati K.C., Sharma R.K., Zippe C.D., Raina R.	Role of oxidative stress in the pathophysiological mechanism of erectile dysfunction	Journal of Andrology	27	3	335	347	127	10.2164/jandrol.05136
216	2006	Agarwal A., Prabakaran S., Allamaneni S.S.S.R.	Relationship between oxidative stress, varicocele and infertility: A meta-analysis	Reproductive BioMedicine Online	12	5	630	633	119	10.1016/S1472-6483(10)61190-X
217	2006	Gupta S., Agarwal A., Krajcir N., Alvarez J.G.	Role of oxidative stress in endometriosis	Reproductive BioMedicine Online	13	1	126	134	116	10.1016/S1472-6483(10)62026-3
218	2006	Kumanov P., Nandipati K., Tomova A., Agarwal A.	Inhibin B is a better marker of spermatogenesis than other hormones in the evaluation of male factor infertility	Fertility and Sterility	86	2	332	338	107	10.1016/j.fertnstert.2006.01.022
219	2006	Said T., Agarwal A., Grunewald S., Rasch M., Baumann T., Kriegel C., Li L., Glander H.-J., Thomas Jr. A.J., Paasch U.	Selection of nonapoptotic spermatozoa as a new tool for enhancing assisted reproduction outcomes: An in vitro model	Biology of Reproduction	74	3	530	537	106	10.1095/biolreprod.105.046607
220	2006	Gupta S., Agarwal A., Agarwal R., Loret de Mola J.R.	Impact of ovarian endometrioma on assisted reproduction outcomes	Reproductive BioMedicine Online	13	3	349	360	98	10.1016/S1472-6483(10)61439-3
221	2006	Agarwal A., Prabakaran S., Allamaneni S.	What an andrologist/urologist should know about free radicals and why	Urology	67	1	2	8	72	10.1016/j.urology.2005.07.012
222	2006	Zippe C., Nandipati K., Agarwal A., Raina R.	Sexual dysfunction after pelvic surgery	International Journal of Impotence Research	18	1	1	18	61	10.1038/sj.ijir.3901353

223	2006	Nandipati K., Raina R., Agarwal A., Zippe C.D.	Early combination therapy: Intracavernosal injections and sildenafil following radical prostatectomy increases sexual activity and the return of natural erections	International Journal of Impotence Research	18	5	446	451	52	10.1038/sj.ijir.3901448
224	2006	Bedaiwy M.A., Falcone T., Goldberg J.M., Sharma R.K., Nelson D.R., Agarwal A.	Peritoneal fluid leptin is associated with chronic pelvic pain but not infertility in endometriosis patients	Human Reproduction	21	3	788	791	47	10.1093/humrep/dei376
225	2006	Gupta S., Agarwal A., Sekhon L., Krajcir N., Cocuzza M., Falcone T.	Serum and peritoneal abnormalities in endometriosis: Potential use as diagnostic markers	Minerva Ginecologica	58	6	527	551	46	
226	2006	Nandipati K.C., Raina R., Agarwal A., Zippe C.D.	Erectile dysfunction following radical retropubic prostatectomy: Epidemiology, pathophysiology and pharmacological management	Drugs and Aging	23	2	101	117	40	10.2165/00002512-200623020-00002
227	2006	Said T.M., Agarwal A., Grunewald S., Rasch M., Glander H.-J., Paasch U.	Evaluation of sperm recovery following annexin V magnetic-activated cell sorting separation	Reproductive BioMedicine Online	13	3	336	339	34	10.1016/S1472-6483(10)61437-X
228	2006	Prabakaran S., Kumanov P., Tomova A., Hubaveshki S., Agarwal A.	Adolescent varicocele: Association with somatometric parameters	Urologia Internationalis	77	2	114	117	27	10.1159/000093902
229	2006	Grunewald S., Paasch U., Said T.M., Rasch M., Agarwal A., Glander H.-J.	Magnetic-activated cell sorting before cryopreservation preserves mitochondrial integrity in human spermatozoa	Cell and Tissue Banking	7	2	99	104	26	10.1007/s10561-005-1367-1
230	2006	Bedaiwy M., Agarwal A., Said T.M., Goldberg J.M., Sharma R.K., Worley S., Falcone T.	Role of total antioxidant capacity in the differential growth of human embryos in vitro	Fertility and Sterility	86	2	304	309	22	10.1016/j.fertnstert.2006.01.025
231	2006	Aziz N., Agarwal A., Nallella K.P., Thomas Jr. A.J.	Relationship between epidemiological features and aetiology of male infertility as diagnosed by a comprehensive infertility service provider	Reproductive BioMedicine Online	12	2	209	214	15	10.1016/S1472-6483(10)60863-2
232	2006	Agarwal A., Allamaneni S.	Oxidative stress and human reproduction	Oxidative Stress, Disease and Cancer			687	704	12	10.1142/9781860948046_0023
233	2006	Prabakaran S.A., Agarwal A., Sundaram A., Thomas Jr. A.J., Sikka S.	Cryosurvival of testicular spermatozoa from obstructive azoospermic patients: The Cleveland Clinic Experience	Fertility and Sterility	86	6	1789	1791	8	10.1016/j.fertnstert.2006.04.045
234	2006	Alvarez J.G., Agarwal A.	Development of a novel home sperm test - What are the limitations? [5]	Human Reproduction	21	11	3029	3030	3	10.1093/humrep/del062
235	2007	Agarwal A., Deepinder F., Cocuzza M., Agarwal R., Short R.A., Sabanegh E., Marmar J.L.	Efficacy of Varicocelectomy in Improving Semen Parameters: New Meta-analytical Approach	Urology	70	3	532	538	191	10.1016/j.urology.2007.04.011
236	2007	Marmar J.L., Agarwal A., Prabakaran S., Agarwal R., Short R.A., Benoff S., Thomas Jr. A.J.	Reassessing the value of varicocelectomy as a treatment for male subfertility with a new meta-analysis	Fertility and Sterility	88	3	639	648	182	10.1016/j.fertnstert.2006.12.008
237	2007	Gupta S., Agarwal A., Banerjee J., Alvarez J.G.	The role of oxidative stress in spontaneous abortion and recurrent pregnancy loss: A systematic review	Obstetrical and Gynecological Survey	62	5	335	347	165	10.1097/01.ogx.0000261644.89300.df
238	2007	Cocuzza M., Sikka S.C., Athayde K.S., Agarwal A.	Clinical relevance of oxidative stress and sperm chromatin damage in male infertility: An evidence based analysis	International Braz J Urol	33	5	603	621	126	10.1590/S1677-55382007000500002
239	2007	Aziz N., Said T., Paasch U., Agarwal A.	The relationship between human sperm apoptosis, morphology and the sperm deformity index	Human Reproduction	22	5	1413	1419	97	10.1093/humrep/dem016
240	2007	Choi W.-J., Banerjee J., Falcone T., Bena J., Agarwal A., Sharma R.K.	Oxidative stress and tumor necrosis factor- α -induced alterations in metaphase II mouse oocyte spindle structure	Fertility and Sterility	88	4 SUPPL.	1220	1231	76	10.1016/j.fertnstert.2007.02.067
241	2007	Athayde K.S., Cocuzza M., Agarwal A., Krajcir N., Lucon A.M., Srougi M., Hallak J.	Development of normal reference values for seminal reactive oxygen species and their correlation with leukocytes and semen parameters in a fertile population	Journal of Andrology	28	4	613	620	75	10.2164/jandrol.106.001966

242	2007	Raina R., Pahlajani G., Agarwal A., Zippe C.D.	The early use of transurethral alprostadil after radical prostatectomy potentially facilitates an earlier return of erectile function and successful sexual activity	BJU International	100	6	1317	1321	68	10.1111/j.1464-410X.2007.07124.x
243	2007	Raina R., Pahlajani G., Khan S., Gupta S., Agarwal A., Zippe C.D.	Female sexual dysfunction: classification, pathophysiology, and management	Fertility and Sterility	88	5	1273	1284	67	10.1016/j.fertnstert.2007.09.012
244	2007	Deepinder F., Chowdary H.T., Agarwal A.	Role of metabolomic analysis of biomarkers in the management of male infertility	Expert Review of Molecular Diagnostics	7	4	351	358	62	10.1586/14737159.7.4.351
245	2007	Nandipati K.C., Raina R., Agarwal A., Zippe C.D.	Nerve-Sparing Surgery Significantly Affects Long-Term Continence After Radical Prostatectomy	Urology	70	6	1127	1130	59	10.1016/j.urology.2007.07.042
246	2007	Deepinder F., Makker K., Agarwal A.	Cell phones and male infertility: Dissecting the relationship	Reproductive BioMedicine Online	15	3	266	270	59	10.1016/S1472-6483(10)60338-0
247	2007	Kumanov P., Deepinder F., Robeva R., Tomova A., Li J., Agarwal A.	Relationship of Adolescent Gynecomastia with Varicocele and Somatometric Parameters: A Cross-Sectional Study in 6200 Healthy Boys	Journal of Adolescent Health	41	2	126	131	42	10.1016/j.jadohealth.2007.03.010
248	2007	Bedaiwy M., Shahin A.Y., AbulHassan A.M., Goldberg J.M., Sharma R.K., Agarwal A., Falcone T.	Differential expression of follicular fluid cytokines: Relationship to subsequent pregnancy in IVF cycles	Reproductive BioMedicine Online	15	3	321	325	38	10.1016/S1472-6483(10)60346-X
249	2007	Esteves S.C., Sharma R.K., Thomas Jr. A.J., Agarwal A.	Evaluation of acrosomal status and sperm viability in fresh and cryopreserved specimens by the use of fluorescent peanut agglutinin lectin in conjunction with hypo-osmotic swelling test	International Braz J Urol	33	3	364	376	31	10.1590/S1677-55382007000300009
250	2007	Agarwal A., Sharma R.K.	Automation is the key to standardized semen analysis using the automated SQA-V sperm quality analyzer	Fertility and Sterility	87	1	156	162	25	10.1016/j.fertnstert.2006.05.083
251	2007	Cocuzza M., Agarwal A.	Nonsurgical treatment of male infertility: Specific and empiric therapy	Biologics: Targets and Therapy	1	3	259	269	19	
252	2007	Varghese A.C., Goldberg E., Agarwal A.	Current and future perspectives on intracytoplasmic sperm injection: A critical commentary	Reproductive BioMedicine Online	15	6	719	727	19	10.1016/S1472-6483(10)60540-8
253	2007	Esfandiari N., Falcone T., Goldberg J.M., Agarwal A., Sharma R.K.	Heat-shock proteins modulate the incidence of apoptosis and oxidative stress in preimplantation mouse embryos	Fertility and Sterility	87	5	1214	1217	16	10.1016/j.fertnstert.2006.07.1536
254	2007	Varghese A.C., Goldberg E., Bhattacharyya A.K., Agarwal A.	Emerging technologies for the molecular study of infertility, and potential clinical applications	Reproductive BioMedicine Online	15	4	451	456	14	10.1016/S1472-6483(10)60372-0
255	2007	Tomova A., Makker K., Kirilov G., Agarwal A., Kumanov P.	Disturbances in gonadal axis in women with anorexia nervosa	Eating and Weight Disorders	12	4	e92	e97	9	10.1007/BF03327602
256	2007	Raina R., Pahlajani G., Agarwal A., Zippe C.	Long-term effectiveness of luteinizing hormone-releasing hormone agonist or antiandrogen monotherapy in elderly men with localized prostate cancer (T1-2) : A retrospective study	Asian Journal of Andrology	9	2	253	258	7	10.1111/j.1745-7262.2007.00074.x
257	2007	Raina R., Pahlajani G., Agarwal A., Zippe C.D.	Treatment of erectile dysfunction: Update	American Journal of Men's Health	1	2	126	138	2	10.1177/1557988306298623
258	2007	Raina R., Pahlajani G., Zippe C.D., Agarwal A.	Rationale for early penile rehabilitation following nerve-sparing radical prostatectomy	Current Sexual Health Reports	4	3	101	106		10.1007/s11930-007-0010-5
259	2008	Agarwal A., Makker K., Sharma R.	Clinical relevance of oxidative stress in male factor infertility: An update	American Journal of Reproductive Immunology	59	1	2	11	409	10.1111/j.1600-0897.2007.00559.x
260	2008	Agarwal A., Deepinder F., Sharma R.K., Ranga G., Li J.	Effect of cell phone usage on semen analysis in men attending infertility clinic: an observational study	Fertility and Sterility	89	1	124	128	235	10.1016/j.fertnstert.2007.01.166
261	2008	Gupta S., Goldberg J.M., Aziz N., Goldberg E., Krajcir N., Agarwal A.	Pathogenic mechanisms in endometriosis-associated infertility	Fertility and Sterility	90	2	247	257	205	10.1016/j.fertnstert.2008.02.093
262	2008	Agarwal A., Gupta S., Sekhon L., Shah R.	Redox considerations in female reproductive function and assisted reproduction: From molecular mechanisms to health implications	Antioxidants and Redox Signaling	10	8	1375	1403	182	10.1089/ars.2007.1964

263	2008	Said T.M., Agarwal A., Zborowski M., Grunewald S., Glander H.-J., Paasch U.	Utility of magnetic cell separation as a molecular sperm preparation technique	Journal of Andrology	29	2	134	142	92	10.2164/jandrol.107.003632
264	2008	Cocuzza M., Athayde K.S., Agarwal A., Sharma R., Pagani R., Lucon A.M., Srougi M., Hallak J.	Age-Related Increase of Reactive Oxygen Species in Neat Semen in Healthy Fertile Men	Urology	71	3	490	494	85	10.1016/j.urology.2007.11.041
265	2008	Pasqualotto F.F., Sundaram A., Sharma R.K., Borges Jr. E., Pasqualotto E.B., Agarwal A.	Semen quality and oxidative stress scores in fertile and infertile patients with varicocele	Fertility and Sterility	89	3	602	607	85	10.1016/j.fertnstert.2007.03.057
266	2008	French D.B., Desai N.R., Agarwal A.	Varicocele repair: Does it still have a role in infertility treatment?	Current Opinion in Obstetrics and Gynecology	20	3	269	274	62	10.1097/GCO.0b013e3282fcc00c
267	2008	Du Plessis S.S., Makker K., Desai N.R., Agarwal A.	Impact of oxidative stress on IVF	Expert Review of Obstetrics and Gynecology	3	4	539	554	48	10.1586/17474108.3.4.539
268	2008	Cocuzza M., Cocuzza M.A., Bragais F.M.P., Agarwal A.	The role of varicocele repair in the new era of assisted reproductive technology	Clinics	63	3	395	404	47	10.1590/S1807-59322008000300018
269	2008	Grunewald S., Said T.M., Paasch U., Glander H.-J., Agarwal A.	Relationship between sperm apoptosis signalling and oocyte penetration capacity	International Journal of Andrology	31	3	325	330	44	10.1111/j.1365-2605.2007.00768.x
270	2008	Agarwal A., Deepinder F., Cocuzza M., Short R.A., Evenson D.P.	Effect of vaginal lubricants on sperm motility and chromatin integrity: a prospective comparative study	Fertility and Sterility	89	2	375	379	41	10.1016/j.fertnstert.2007.02.050
271	2008	Georgescu E.S., Goldberg J.M., Du Plessis S.S., Agarwal A.	Present and future fertility preservation strategies for female cancer patients	Obstetrical and Gynecological Survey	63	11	725	732	39	10.1097/OGX.0b013e318186aeea
272	2008	Cocuzza M., Athayde K.S., Agarwal A., Pagani R., Sikka S.C., Lucon A.M., Srougi M., Hallak J.	Impact of clinical varicocele and testis size on seminal reactive oxygen species levels in a fertile population: a prospective controlled study	Fertility and Sterility	90	4	1103	1108	38	10.1016/j.fertnstert.2007.07.1377
273	2008	Pasqualotto F.F., Sharma R.K., Pasqualotto E.B., Agarwal A.	Poor semen quality and ROS-TAC scores in patients with idiopathic infertility	Urologia Internationalis	81	3	263	270	37	10.1159/000151401
274	2008	Agarwal A., Bragais F.M., Sabanegh E.	Assessing Sperm Function	Urologic Clinics of North America	35	2	157	171	34	10.1016/j.ucl.2008.01.012
275	2008	Deepinder F., Cocuzza M., Agarwal A.	Should seminal oxidative stress measurement be offered routinely to men presenting for infertility evaluation?	Endocrine Practice	14	4	484	491	34	10.4158/EP.14.4.484
276	2008	Varghese A.C., du Plessis S.S., Falcone T., Agarwal A.	Cryopreservation/transplantation of ovarian tissue and in vitro maturation of follicles and oocytes: Challenges for fertility preservation	Reproductive Biology and Endocrinology	6				31	10.1186/1477-7827-6-47
277	2008	Agarwal A., Desai N.R., Ruffoli R., Carpi A.	Lifestyle and testicular dysfunction: A brief update	Biomedicine and Pharmacotherapy	62	8	550	553	31	10.1016/j.biopha.2008.07.052
278	2008	Deepinder F., Agarwal A.	Technical and ethical challenges of fertility preservation in young cancer patients	Reproductive BioMedicine Online	16	6	784	791	29	10.1016/S1472-6483(10)60143-5
279	2008	Zalata A.A., Hassan A.H., Nada H.A., Bragais F.M., Agarwal A., Mostafa T.	Follicle-stimulating hormone receptor polymorphism and seminal anti-Müllerian hormone in fertile and infertile men	Andrologia	40	6	392	397	28	10.1111/j.1439-0272.2008.00877.x
280	2008	Raina R., Pahlajani G., Agarwal A., Zippe C.D.	Early penile rehabilitation following radical prostatectomy: Cleveland clinic experience	International Journal of Impotence Research	20	2	121	126	25	10.1038/sj.ijir.3901573
281	2008	Aziz N., Agarwal A.	Evaluation of sperm damage: beyond the World Health Organization criteria	Fertility and Sterility	90	3	484	485	24	10.1016/j.fertnstert.2007.07.1287
282	2008	Makker K., Agarwal A., Sharma R.K.	Magnetic Activated Cell Sorting (MACS): Utility in assisted reproduction	Indian Journal of Experimental Biology	46	7	491	497	23	
283	2008	Varghese A.C., du Plessis S.S., Agarwal A.	Male gamete survival at stake: Causes and solutions	Reproductive BioMedicine Online	17	6	866	880	17	10.1016/S1472-6483(10)60416-6

284	2008	Raina R., Pahlajani G., Ponsky L.E., Agarwal A., Zippe C.D.	The clinical utility of atypical cytology is significantly increased in both screening and monitoring for bladder cancer when indexed with nuclear matrix protein-22	BJU International	102	3	297	300	8	10.1111/j.1464-410X.2008.07789.x
285	2008	Gupta S., Sekhon L., Aziz N., Agarwal A.	The impact of oxidative stress on female reproduction and art: An evidence-based review	Infertility and Assisted Reproduction			629	642	6	10.1017/CBO9780511547287.067
286	2008	Krajcir N., Chowdary H., Gupta S., Agarwal A.	Female infertility and assisted reproduction: Impact of oxidative stress	Current Women's Health Reviews	4	1	9	15	4	10.2174/157340408783572105
287	2008	Agarwal A., Bragais F.M., Sabanegh Jr. E.S.	Laboratory assessment of male infertility-A guide for the urologist	European Urological Review	3	1	106	109	1	
288	2008	Aziz N., Agarwal A.	Evaluation of sperm damage: Beyond the WHO criteria	Infertility and Assisted Reproduction			161	177	1	10.1017/CBO9780511547287.022
289	2008	Pasqualotto F.F., Agarwal A.	Psychological erectile dysfunction: Scientist and urologist point of view	Psychological Sexual Dysfunctions			209	224		
290	2008	Marmar J.L., Agarwal A.	Reply: Always important-statistical justification for pooling heterogeneous studies?	Fertility and Sterility	89	4	1031	1032		10.1016/j.fertnstert.2008.02.112
291	2008	Raina R., Agarwal A., Zaramo C.E.B., Ausmundson S., Mansour D., Zippe C.D.	Long-term efficacy and compliance of MUSE for erectile dysfunction following radical prostatectomy: SHIM (IIEF-5) analysis (International Journal of Impotence Research (2005) 17, (86-90) DOI: 10.1038/sj.ijir.3901284)	International Journal of Impotence Research	20	2	229			10.1038/sj.ijir.3901621
292	2008	Marmar J.L., Agarwal A., Prabakaran S., Agarwal R., Short R.A., Benoff S., Thomas Jr. A.J.	Reassessing the value of varicocelectomy as a treatment for male subfertility with a new meta-analysis	Journal of Urology	179	2	649			10.1016/j.juro.2007.09.039
293	2009	Makker K., Agarwal A., Sharma R.	Oxidative stress & male infertility	Indian Journal of Medical Research	129	4	357	367	279	
294	2009	Agarwal A., Desai N.R., Makker K., Varghese A., Mouradi R., Sabanegh E., Sharma R.	Effects of radiofrequency electromagnetic waves (RF-EMW) from cellular phones on human ejaculated semen: an in vitro pilot study	Fertility and Sterility	92	4	1318	1325	190	10.1016/j.fertnstert.2008.08.022
295	2009	Kefer J.C., Agarwal A., Sabanegh E.	Role of antioxidants in the treatment of male infertility	International Journal of Urology	16	5	449	457	137	10.1111/j.1442-2042.2009.02280.x
296	2009	Agarwal A., Sharma R.K., Desai N.R., Prabakaran S., Tavares A., Sabanegh E.	Role of Oxidative Stress in Pathogenesis of Varicocele and Infertility	Urology	73	3	461	469	126	10.1016/j.urology.2008.07.053
297	2009	Combelles C.M.H., Gupta S., Agarwal A.	Could oxidative stress influence the in-vitro maturation of oocytes?	Reproductive BioMedicine Online	18	6	864	880	125	10.1016/S1472-6483(10)60038-7
298	2009	Desai N.R., Kesari K.K., Agarwal A.	Pathophysiology of cell phone radiation: Oxidative stress and carcinogenesis with focus on male reproductive system	Reproductive Biology and Endocrinology	7		114		109	10.1186/1477-7827-7-114
299	2009	Mahfouz R., Sharma R., Sharma D., Sabanegh E., Agarwal A.	Diagnostic value of the total antioxidant capacity (TAC) in human seminal plasma	Fertility and Sterility	91	3	805	811	83	10.1016/j.fertnstert.2008.01.022
300	2009	Abdelrazik H., Sharma R., Mahfouz R., Agarwal A.	L-Carnitine decreases DNA damage and improves the in vitro blastocyst development rate in mouse embryos	Fertility and Sterility	91	2	589	596	79	10.1016/j.fertnstert.2007.11.067
301	2009	Mahfouz R., Sharma R., Lackner J., Aziz N., Agarwal A.	Evaluation of chemiluminescence and flow cytometry as tools in assessing production of hydrogen peroxide and superoxide anion in human spermatozoa	Fertility and Sterility	92	2	819	827	76	10.1016/j.fertnstert.2008.05.087
302	2009	Gupta S., Aziz N., Sekhon L., Agarwal R., Mansour G., Li J., Agarwal A.	Lipid peroxidation and antioxidant status in preeclampsia: A systematic review	Obstetrical and Gynecological Survey	64	11	750	759	66	10.1097/OGX.0b013e3181bea0ac
303	2009	Gil-Villa A.M., Cardona-Maya W., Agarwal A., Sharma R., Cadavid A.	Role of male factor in early recurrent embryo loss: do antioxidants have any effect?	Fertility and Sterility	92	2	565	571	63	10.1016/j.fertnstert.2008.07.1715

304	2009	Agarwal A., Mahfouz R.Z., Sharma R.K., Sarkar O., Mangrola D., Mathur P.P.	Potential biological role of poly (ADP-ribose) polymerase (PARP) in male gametes	Reproductive Biology and Endocrinology	7				62	10.1186/1477-7827-7-143
305	2009	Desai N., Sharma R., Makker K., Sabanegh E., Agarwal A.	Physiologic and pathologic levels of reactive oxygen species in neat semen of infertile men	Fertility and Sterility	92	5	1626	1631	62	10.1016/j.fertnstert.2008.08.109
306	2009	Enciso M., Sarasa J., Agarwal A., Fernández J.L., Gosálvez J.	A two-tailed Comet assay for assessing DNA damage in spermatozoa	Reproductive BioMedicine Online	18	5	609	616	61	10.1016/S1472-6483(10)60003-X
307	2009	Mansour G., Abdelrazik H., Sharma R.K., Radwan E., Falcone T., Agarwal A.	L-carnitine supplementation reduces oocyte cytoskeleton damage and embryo apoptosis induced by incubation in peritoneal fluid from patients with endometriosis	Fertility and Sterility	91	5 SUPPL.	2079	2086	54	10.1016/j.fertnstert.2008.02.097
308	2009	Varghese A.C., Bragais F.M., Mukhopadhyay D., Kundu S., Pal M., Bhattacharyya A.K., Agarwal A.	Human sperm DNA integrity in normal and abnormal semen samples and its correlation with sperm characteristics	Andrologia	41	4	207	215	45	10.1111/j.1439-0272.2009.00917.x
309	2009	Kader A.A., Choi A., Orief Y., Agarwal A.	Factors affecting the outcome of human blastocyst vitrification	Reproductive Biology and Endocrinology	7		99		40	10.1186/1477-7827-7-99
310	2009	Venkatesh S., Riyaz A.M., Shamsi M.B., Kumar R., Gupta N.P., Mittal S., Malhotra N., Sharma R.K., Agarwal A., Dada R.	Clinical significance of reactive oxygen species in semen of infertile Indian men	Andrologia	41	4	251	256	40	10.1111/j.1439-0272.2009.00943.x
311	2009	Grunewald S., Sharma R., Paasch U., Glander H.-J., Agarwal A.	Impact of caspase activation in human spermatozoa	Microscopy Research and Technique	72	11	878	888	38	10.1002/jemt.20732
312	2009	Varghese A.C., Nagy Z.P., Agarwal A.	Current trends, biological foundations and future prospects of oocyte and embryo cryopreservation	Reproductive BioMedicine Online	19	1	126	140	36	10.1016/S1472-6483(10)60056-9
313	2009	Makker K., Varghese A., Desai N.R., Mouradi R., Agarwal A.	Cell phones: Modern man's nemesis?	Reproductive BioMedicine Online	18	1	148	157	36	10.1016/S1472-6483(10)60437-3
314	2009	Grunewald S., Reinhardt M., Blumenauer V., Said T.M., Agarwal A., Abu Hmeidan F., Glander H.-J., Paasch U.	Increased sperm chromatin decondensation in selected nonapoptotic spermatozoa of patients with male infertility	Fertility and Sterility	92	2	572	577	35	10.1016/j.fertnstert.2008.07.1705
315	2009	Mansour G., Aziz N., Sharma R., Falcone T., Goldberg J., Agarwal A.	The impact of peritoneal fluid from healthy women and from women with endometriosis on sperm DNA and its relationship to the sperm deformity index	Fertility and Sterility	92	1	61	67	29	10.1016/j.fertnstert.2008.05.048
316	2009	Mahfouz R.Z., Sharma R.K., Said T.M., Erenpreiss J., Agarwal A.	Association of sperm apoptosis and DNA ploidy with sperm chromatin quality in human spermatozoa	Fertility and Sterility	91	4	1110	1118	28	10.1016/j.fertnstert.2008.01.047
317	2009	Agarwal A., Varghese A.C., Sharma R.K.	Markers of oxidative stress and sperm chromatin integrity.	Methods in molecular biology (Clifton, N.J.)	590		377	402	28	
318	2009	Mahfouz R.Z., Sharma R.K., Poenicke K., Jha R., Paasch U., Grunewald S., Agarwal A.	Evaluation of poly(ADP-ribose) polymerase cleavage (cPARP) in ejaculated human sperm fractions after induction of apoptosis	Fertility and Sterility	91	5 SUPPL.	2210	2220	27	10.1016/j.fertnstert.2008.02.173
319	2009	Kader A., Agarwal A., Abdelrazik H., Sharma R.K., Ahmady A., Falcone T.	Evaluation of post-thaw DNA integrity of mouse blastocysts after ultrarapid and slow freezing	Fertility and Sterility	91	5 SUPPL.	2087	2094	27	10.1016/j.fertnstert.2008.04.049
320	2009	Jha R., Agarwal A., Mahfouz R., Paasch U., Grunewald S., Sabanegh E., Yadav S.P., Sharma R.	Determination of Poly (ADP-ribose) polymerase (PARP) homologues in human ejaculated sperm and its correlation with sperm maturation	Fertility and Sterility	91	3	782	790	18	10.1016/j.fertnstert.2007.12.079
321	2009	Clarke J., Showell M.G., Hart R.J., Agarwal A., Gupta S.	Antioxidants for female subfertility	Cochrane Database of Systematic Reviews		2			17	10.1002/14651858.CD007807
322	2009	Ghabili K., Shoja M.M., Agutter P.S., Agarwal A.	Hypothesis: intracellular acidification contributes to infertility in varicocele	Fertility and Sterility	92	1	399	401	12	10.1016/j.fertnstert.2008.05.070
323	2009	Kader A., Agarwal A., Sharma R., Falcone T.	Vitrification of isolated mice blastomeres using a closed loading device	Reproductive Biology and Endocrinology	7				8	10.1186/1477-7827-7-17

324	2009	Agarwal A., Said T.M.	Tests for sperm antibodies	Immune Infertility: The Impact of Immune Reactions on Human Infertility			155	164		10.1007/978-3-642-01379-9_13
325	2009	Mahfouz R., Sharma R., Lackner J., Aziz N., Agarwal A.	Reply of the Authors: Methods for detecting sperm apoptosis	Fertility and Sterility	92	2				10.1016/j.fertnstert.2009.03.054
326	2010	O'Flynn O'Brien K.L., Varghese A.C., Agarwal A.	The genetic causes of male factor infertility: A review	Fertility and Sterility	93	1	1	12	250	10.1016/j.fertnstert.2009.10.045
327	2010	Du Plessis S.S., Cabler S., McAlister D.A., Sabanegh E., Agarwal A.	The effect of obesity on sperm disorders and male infertility	Nature Reviews Urology	7	3	153	161	178	10.1038/nrurol.2010.6
328	2010	Kothari S., Thompson A., Agarwal A., du Plessis S.S.	Free radicals: Their beneficial and detrimental effects on sperm function	Indian Journal of Experimental Biology	48	5	425	435	124	
329	2010	Agarwal A., Sekhon L.H.	The role of antioxidant therapy in the treatment of male infertility	Human Fertility	13	4	217	225	117	10.3109/14647273.2010.532279
330	2010	Mahfouz R., Sharma R., Thiyagarajan A., Kale V., Gupta S., Sabanegh E., Agarwal A.	Semen characteristics and sperm DNA fragmentation in infertile men with low and high levels of seminal reactive oxygen species	Fertility and Sterility	94	6	2141	2146	98	10.1016/j.fertnstert.2009.12.030
331	2010	Cabler S., Agarwal A., Flint M., Du Plessis S.S.	Obesity: Modern man's fertility nemesis	Asian Journal of Andrology	12	4	480	489	97	10.1038/aja.2010.38
332	2010	Sharma R.K., Sabanegh E., Mahfouz R., Gupta S., Thiyagarajan A., Agarwal A.	TUNEL as a test for sperm DNA damage in the evaluation of male infertility	Urology	76	6	1380	1386	94	10.1016/j.urology.2010.04.036
333	2010	Said T.M., Gaglani A., Agarwal A.	Implication of apoptosis in sperm cryoinjury	Reproductive BioMedicine Online	21	4	456	462	89	10.1016/j.rbmo.2010.05.011
334	2010	Mahfouz R.Z., du Plessis S.S., Aziz N., Sharma R., Sabanegh E., Agarwal A.	Sperm viability, apoptosis, and intracellular reactive oxygen species levels in human spermatozoa before and after induction of oxidative stress	Fertility and Sterility	93	3	814	821	67	10.1016/j.fertnstert.2008.10.068
335	2010	Gil-Villa A.M., Cardona-Maya W., Agarwal A., Sharma R., Cadavid A.	Assessment of sperm factors possibly involved in early recurrent pregnancy loss	Fertility and Sterility	94	4	1465	1472	66	10.1016/j.fertnstert.2009.05.042
336	2010	Desai N., Sabanegh Jr. E., Kim T., Agarwal A.	Free Radical Theory of Aging: Implications in Male Infertility	Urology	75	1	14	19	56	10.1016/j.urology.2009.05.025
337	2010	Du Plessis S.S., McAllister D.A., Luu A., Savia J., Agarwal A., Lampiao F.	Effects of H2O2 exposure on human sperm motility parameters, reactive oxygen species levels and nitric oxide levels	Andrologia	42	3	206	210	54	10.1111/j.1439-0272.2009.00980.x
338	2010	Abd-Elmoaty M.A., Saleh R., Sharma R., Agarwal A.	Increased levels of oxidants and reduced antioxidants in semen of infertile men with varicocele	Fertility and Sterility	94	4	1531	1534	52	10.1016/j.fertnstert.2009.12.039
339	2010	Mansour G., Sharma R.K., Agarwal A., Falcone T.	Endometriosis-induced alterations in mouse metaphase II oocyte microtubules and chromosomal alignment: A possible cause of infertility	Fertility and Sterility	94	5	1894	1899	43	10.1016/j.fertnstert.2009.09.043
340	2010	Sekhon L.H., Gupta S., Kim Y., Agarwal A.	Female infertility and antioxidants	Current Women's Health Reviews	6	2	84	95	43	10.2174/157340410791321381
341	2010	Mukhopadhyay D., Varghese A.C., Pal M., Banerjee S.K., Bhattacharyya A.K., Sharma R.K., Agarwal A.	Semen quality and age-specific changes: A study between two decades on 3,729 male partners of couples with normal sperm count and attending an andrology laboratory for infertility-related problems in an Indian city	Fertility and Sterility	93	7	2247	2254	42	10.1016/j.fertnstert.2009.01.135
342	2010	Lee J.Y., Baw C., Gupta S., Aziz N., Agarwal A.	Role of oxidative stress in polycystic ovary syndrome	Current Women's Health Reviews	6	2	96	107	39	10.2174/157340410791321336
343	2010	Raina R., Pahlajani G., Agarwal A., Jones S., Zippe C.	Long-term potency after early use of a vacuum erection device following radical prostatectomy	BJU International	106	11	1719	1722	31	10.1111/j.1464-410X.2010.09360.x
344	2010	Samplaski M.K., Agarwal A., Sharma R., Sabanegh E.	New generation of diagnostic tests for infertility: Review of specialized semen tests	International Journal of Urology	17	10	839	847	31	10.1111/j.1442-2042.2010.02619.x

345	2010	Venkatesh S., Kumar M., Sharma A., Kriplani A., Ammini A.C., Talwar P., Agarwal A., Dada R.	Oxidative stress and ATPase6 mutation is associated with primary ovarian insufficiency	Archives of Gynecology and Obstetrics	282	3	313	318	31	10.1007/s00404-010-1444-y
346	2010	Desai N.R., Mahfouz R., Sharma R., Gupta S., Agarwal A.	Reactive oxygen species levels are independent of sperm concentration, motility, and abstinence in a normal, healthy, proven fertile man: A longitudinal study	Fertility and Sterility	94	4	1541	1543	29	10.1016/j.fertnstert.2009.12.041
347	2010	Tomova A., Deepinder F., Robeva R., Lalabonova H., Kumanov P., Agarwal A.	Growth and development of male external genitalia: A cross-sectional study of 6200 males aged 0 to 19 years	Archives of Pediatrics and Adolescent Medicine	164	12	1152	1157	28	10.1001/archpediatrics.2010.223
348	2010	Gupta S., Sekhon L., Kim Y., Agarwal A.	The role of oxidative stress and antioxidants in assisted reproduction	Current Women's Health Reviews	6	3	227	238	28	10.2174/157340410792007046
349	2010	Buldreghini E., Mahfouz R.Z., Vignini A., Mazzanti L., Ricciardo-Lamonica G., Lenzi A., Agarwal A., Balercia G.	Single Nucleotide Polymorphism (SNP) of the endothelial Nitric Oxide Synthase (eNOS) gene (Glu298Asp variant) in infertile men with asthenozoospermia	Journal of Andrology	31	5	482	488	26	10.2164/jandrol.109.008979
350	2010	Lackner J.E., Agarwal A., Mahfouz R., du Plessis S.S., Schatzl G.	The association between leukocytes and sperm quality is concentration dependent	Reproductive Biology and Endocrinology	8				25	10.1186/1477-7827-8-12
351	2010	Bedaiwy M.A., Mahfouz R.Z., Goldberg J.M., Sharma R., Falcone T., Abdel Hafez M.F., Agarwal A.	Relationship of reactive oxygen species levels in day 3 culture media to the outcome of in vitro fertilization/intracytoplasmic sperm injection cycles	Fertility and Sterility	94	6	2037	2042	21	10.1016/j.fertnstert.2009.12.020
352	2010	Saleh R., Mahfouz R.Z., Agarwal A., Farouk H.	Histopathologic patterns of testicular biopsies in infertile azoospermic men with varicocele	Fertility and Sterility	94	6	2482	2485	17	10.1016/j.fertnstert.2010.03.026
353	2010	Burns W.R., Sabanegh E., Dada R., Rein B., Agarwal A.	Is male infertility a forerunner to cancer?	International Braz J Urol	36	5	527	536	15	10.1590/S1677-55382010000500002
354	2010	Flechner S.M., Berber E., Askar M., Stephany B., Agarwal A., Milas M.	Allotransplantation of cryopreserved parathyroid tissue for severe hypocalcemia in a renal transplant recipient	American Journal of Transplantation	10	9	2061	2065	14	10.1111/j.1600-6143.2010.03234.x
355	2010	Ly K.D., Aziz N., Safi J., Agarwal A.	Evidence-based management of infertile couples with repeated implantation failure following IVF	Current Women's Health Reviews	6	3	200	218	12	10.2174/157340410792007073
356	2010	Posillico S., Kader A., Falcone T., Agarwal A.	Ovarian tissue vitrification: Modalities, challenges and potentials	Current Women's Health Reviews	6	4	352	366	12	10.2174/157340410793362104
357	2010	Kader A., Sharma R.K., Falcone T., Agarwal A.	Mouse blastocyst previtrification interventions and DNA integrity	Fertility and Sterility	93	5	1518	1525	12	10.1016/j.fertnstert.2009.02.017
358	2010	Rahman S.M., Malhotra N., Kumar S., Roy K.K., Agarwal A.	A randomized controlled trial comparing the effectiveness of single versus double intrauterine insemination in unexplained infertility	Fertility and Sterility	94	7	2913	2915	9	10.1016/j.fertnstert.2010.06.082
359	2010	Kader A., Choi A., Sharma R.K., Falcone T., Agarwal A.	Effect of varying equilibration time in a two-step vitrification method on the post-warming DNA integrity of mouse blastocysts	Fertility and Sterility	93	8	2640	2645	9	10.1016/j.fertnstert.2009.07.991
360	2010	Kader A., Falcone T., Sharma R.K., Mangrola D., Agarwal A.	Slow and ultrarapid cryopreservation of biopsied mouse blastocysts and its effect on DNA integrity index	Journal of Assisted Reproduction and Genetics	27	8	509	515	7	10.1007/s10815-010-9441-4
361	2010	Coyne K.D., Kader A., Agarwal A.	Creating a standard of care for fertility preservation	Current Women's Health Reviews	6	3	261	266	3	10.2174/157340410792007118
362	2010	Pasqualotto F.F., Agarwal A.	Radiation effects on spermatogenesis	Fertility Preservation in Male Cancer Patients			104	109	2	10.1017/CBO9780511997761.012
363	2010	Agarwal A., Burns W.R., Dada R., Sabanegh E.S.	Male infertility and testicular cancer - Points of common causality	European Urological Review	5	1	56	59	1	
364	2010	Baw C.-K., Ly K.D., Kader A., Ahmady A., Agarwal A.	Single blastocyst transfer: Contemporary experience	Current Women's Health Reviews	6	3	219	226	1	10.2174/157340410792007127

365	2010	Agarwal A., du Plessis S.S., Cabler S., Sabanegh E.S.	Fertility fears - fate of the fat	European Urological Review	5	1	60	64		
366	2010	Gupta S., Agarwal A.	Preface	Current Women's Health Reviews	6	2	71	72		10.2174/157340410791321354
367	2010	O'Flynn O'Brien K.L., Varghese A.C., Agarwal A.	The genetic causes of male factor infertility: A review	Journal of Urology	184	4	1456	1457		10.1016/j.juro.2010.06.079
368	2010	Agarwal A., Deepinder F., Sabanegh E.S.	Male Infertility	Evidence-Based Urology			146	155		10.1002/9781444323146.ch16
369	2010	Gupta S., Agarwal A.	Preface	Current Women's Health Reviews	6	2	71	72		10.2174/157340410791321354
370	2011	Rajender S., Avery K., Agarwal A.	Epigenetics, spermatogenesis and male infertility	Mutation Research - Reviews in Mutation Research	727	3	62	71	148	10.1016/j.mrrev.2011.04.002
371	2011	Esteves S.C., Miyaoka R., Agarwal A.	An update on the clinical assessment of the infertile male	Clinics	66	4	691	700	98	10.1590/S1807-59322011000400026
372	2011	Agarwal A., Singh A., Hamada A., Kesari K.	Cell phones and male infertility: A review of recent innovations in technology and consequences	International Braz J Urol	37	4	432	454	71	10.1590/S1677-55382011000400002
373	2011	Esteves S.C., Miyaoka R., Agarwal A.	Sperm retrieval techniques for assisted reproduction	International Braz J Urol	37	5	570	583	58	10.1590/S1677-55382011000500002
374	2011	Agarwal A., Sekhon L.H.	Oxidative stress and antioxidants for idiopathic oligoasthenoteratospermia: Is it justified	Indian Journal of Urology	27	1	74	85	54	10.4103/0970-1591.78437
375	2011	Thacker S., Yadav S.P., Sharma R.K., Kashou A., Willard B., Zhang D., Agarwal A.	Evaluation of sperm proteins in infertile men: A proteomic approach	Fertility and Sterility	95	8	2745	2748	51	10.1016/j.fertnstert.2011.03.112
376	2011	Lee J.Y., Dada R., Sabanegh E., Carpi A., Agarwal A.	Role of genetics in azoospermia	Urology	77	3	598	601	51	10.1016/j.urology.2010.10.001
377	2011	du Plessis S.S., Kashou A.H., Benjamin D.J., Yadav S.P., Agarwal A.	Proteomics: A subcellular look at spermatozoa	Reproductive Biology and Endocrinology	9				46	10.1186/1477-7827-9-36
378	2011	Esteves S.C., Agarwal A.	Novel concepts in male infertility	International Braz J Urol	37	1	5	15	46	10.1590/S1677-55382011000100002
379	2011	Agarwal A., Rein B.J.D., Gupta S., Dada R., Safi J., Michener C.	Potential markers for detection and monitoring of ovarian cancer	Journal of Oncology					43	10.1155/2011/475983
380	2011	Agarwal A., Allamaneni S.S.R.	Free radicals and male reproduction	Journal of the Indian Medical Association	109	3	184	187	37	
381	2011	Sarkar O., Bahrainwala J., Chandrasekaran S., Kothari S., Mathur P.P., Agarwal A.	Impact of inflammation on male fertility	Frontiers in Bioscience - Elite	3 E	1	89	95	33	
382	2011	Gupta S., Choi A., Yu H.Y., Czerniak S.M., Holick E.A., Paolella L.J., Agarwal A., Combelles C.M.H.	Fluctuations in total antioxidant capacity, catalase activity and hydrogen peroxide levels of follicular fluid during bovine folliculogenesis	Reproduction, Fertility and Development	23	5	673	680	31	10.1071/RD10270
383	2011	Rajender S., Monica M.G., Walter L., Agarwal A.	Thyroid, spermatogenesis, and male infertility	Frontiers in Bioscience - Elite	3 E	3	843	855	23	
384	2011	Hamada A., Agarwal A., Sharma R., French D.B., Ragheb A., Sabanegh Jr. E.S.	Empirical treatment of low-level leukocytospermia with doxycycline in male infertility patients	Urology	78	6	1320	1325	21	10.1016/j.urology.2011.08.062
385	2011	Esteves S.C., Miyaoka R., Agarwal A.	Surgical treatment of male infertility in the era of intracytoplasmic sperm injection-new insights	Clinics	66	8	1463	1477	14	10.1590/S1807-59322011000800026
386	2011	Dada R., Mahfouz R.Z., Kumar R., Venkatesh S., Shamsi M.B., Agarwal A., Talwar P., Sharma R.K.	A comprehensive work up for an asthenozoospermic man with repeated intracytoplasmic sperm injection (ICSI) failure	Andrologia	43	5	368	372	11	10.1111/j.1439-0272.2010.01045.x
387	2011	Esteves S.C., Agarwal A.	Sperm retrieval techniques	Human Assisted Reproductive Technology: Future Trends in Laboratory and Clinical Practice			41	53	11	10.1017/CBO9780511734755.006

388	2011	Aziz N., Sharma R.K., Mahfouz R., Jha R., Agarwal A.	Association of sperm morphology and the sperm deformity index (SDI) with poly (ADP-ribose) polymerase (PARP) cleavage inhibition	Fertility and Sterility	95	8	2481	2484	7	10.1016/j.fertnstert.2011.03.095
389	2011	Varghese A.C., Ly K.D., Corbin C., Mendiola J., Agarwal A.	Oocyte developmental competence and embryo development: Impact of lifestyle and environmental risk factors	Reproductive BioMedicine Online	22	5	410	420	7	10.1016/j.rbmo.2010.11.009
390	2011	Mancini M., Carmignani L., Agarwal A., Ciociola F., Pasqualotto F., Castiglioni M.F., Piediferro G., Colpi G.M.	Antegrade subinguinal sclerotization with temporary clamping of the spermatic cord: A new surgical technique for varicocele	Urology	77	1	223	226	6	10.1016/j.urology.2010.02.028
391	2011	Carpi A., Agarwal A., Sabanegh E., Todeschini G., Balercia G.	Percutaneous biopsy of the testicle: A mini review with a proposal flow chart for non-obstructive azoospermia	Annals of Medicine	43	2	83	89	4	10.3109/07853890.2010.542173
392	2011	Tewari A., Hasan M., Sahai A., Sharma P.K., Agarwal A.K.	Nicotine mediated microcystic oedema in white matter of cerebellum: Possible relationship to postural imbalance	Annals of Neurosciences	18	1	14	16	3	10.5214/ans.0972.7531.1118105
393	2011	Saleh R., Agarwal A., Farouk H.	A rational approach to the management of varicocele-associated nonobstructive azoospermia	Fertility and Sterility	95	2	489	490	2	10.1016/j.fertnstert.2010.11.060
394	2011	Safi J., Sharma R.K., Agarwal A.	Intrauterine Insemination	Infertility			114	126	1	10.1002/9781444393958.ch12
395	2011	Dada R., Lee J.Y., Sabanegh E., Agarwal A., Capri A.	Reply by the authors	Urology	78	6	1445	1446		10.1016/j.urology.2011.08.034
396	2012	Agarwal A., Aponte-Mellado A., Premkumar B.J., Shaman A., Gupta S.	The effects of oxidative stress on female reproduction: A review	Reproductive Biology and Endocrinology	10				459	10.1186/1477-7827-10-49
397	2012	Esteves S.C., Zini A., Aziz N., Alvarez J.G., Sabanegh Jr. E.S., Agarwal A.	Critical appraisal of world health organization's new reference values for human semen characteristics and effect on diagnosis and treatment of subfertile men	Urology	79	1	16	22	104	10.1016/j.urology.2011.08.003
398	2012	Agarwal A., Hamada A., Esteves S.C.	Insight into oxidative stress in varicocele-associated male infertility: Part 1	Nature Reviews Urology	9	12	678	690	100	10.1038/nrrol.2012.197
399	2012	Dada R., Kumar M., Jesudasan R., Fernández J.L., Gosálvez J., Agarwal A.	Epigenetics and its role in male infertility	Journal of Assisted Reproduction and Genetics	29	3	213	223	100	10.1007/s10815-012-9715-0
400	2012	Hamada A., Esteves S.C., Nizza M., Agarwal A.	Unexplained male infertility: Diagnosis and management	International Braz J Urol	38	5	576	594	90	10.1590/S1677-55382012000500002
401	2012	Carvalho L.F.P., Samadder A.N., Agarwal A., Fernandes L.F.C., Abrão M.S.	Oxidative stress biomarkers in patients with endometriosis: Systematic review	Archives of Gynecology and Obstetrics	286	4	1033	1040	65	10.1007/s00404-012-2439-7
402	2012	Doshi S.B., Khullar K., Sharma R.K., Agarwal A.	Role of reactive nitrogen species in male infertility	Reproductive Biology and Endocrinology	10				52	10.1186/1477-7827-10-109
403	2012	Rengan A.K., Agarwal A., van der Linde M., du Plessis S.S.	An investigation of excess residual cytoplasm in human spermatozoa and its distinction from the cytoplasmic droplet	Reproductive Biology and Endocrinology	10				49	10.1186/1477-7827-10-92
404	2012	Esteves S.C., Hamada A., Kondray V., Pitchika A., Agarwal A.	What every gynecologist should know about male infertility: An update	Archives of Gynecology and Obstetrics	286	1	217	229	39	10.1007/s00404-012-2274-x
405	2012	Bedaiwy M.A., Elnashar S.A., Goldberg J.M., Sharma R., Mascha E.J., Arrigain S., Agarwal A., Falcone T.	Effect of follicular fluid oxidative stress parameters on intracytoplasmic sperm injection outcome	Gynecological Endocrinology	28	1	51	55	39	10.3109/09513590.2011.579652
406	2012	Wierckx K., Stuyver I., Weyers S., Hamada A., Agarwal A., De Sutter P., Sjoen G.T.	Sperm freezing in transsexual women	Archives of Sexual Behavior	41	5	1069	1071	35	10.1007/s10508-012-0012-x
407	2012	Hamada A.J., Montgomery B., Agarwal A.	Male infertility: A critical review of pharmacologic management	Expert Opinion on Pharmacotherapy	13	17	2511	2531	29	10.1517/14656566.2012.740011

408	2012	Banihani S., Sharma R., Bayachou M., Sabanegh E., Agarwal A.	Human sperm DNA oxidation, motility and viability in the presence of l-carnitine during in vitro incubation and centrifugation	Andrologia	44	SUPPL.1	505	512	29	10.1111/j.1439-0272.2011.01216.x
409	2012	Banerjee J., Sharma R., Agarwal A., Maitra D., Diamond M.P., Abu-Soud H.M.	Il-6 and mouse oocyte spindle	PLoS ONE	7	4			16	10.1371/journal.pone.0035535
410	2012	Benjamin D., Sharma R.K., Moazzam A., Agarwal A.	Methods for the detection of ROS in human sperm samples	Studies on Men's Health and Fertility			257	273	14	10.1007/978-1-61779-776-7_13
411	2012	Singh R., Hamada A.J., Bukavina L., Agarwal A.	Physical deformities relevant to male infertility	Nature Reviews Urology	9	3	156	174	9	10.1038/nrurol.2012.11
412	2012	Lakpour N., Mahfouz R.Z., Akhondi M.M., Agarwal A., Kharrazi H., Zeraati H., Amirjannati N., Sadeghi M.R.	Relationship of seminal plasma antioxidants and serum male hormones with sperm chromatin status in male factor infertility	Systems Biology in Reproductive Medicine	58	5	236	244	8	10.3109/19396368.2012.689923
413	2012	Aboua Y.G., Brooks N., Mahfouz R.Z., Agarwal A., Du Plessis S.S.	A red palm oil diet can reduce the effects of oxidative stress on rat spermatozoa	Andrologia	44	SUPPL.1	32	40	8	10.1111/j.1439-0272.2010.01133.x
414	2012	Agarwal A., Aitken R.J., Alvarez J.R.	Studies on men's health and fertility	Studies on Men's Health and Fertility			1	671	8	10.1007/978-1-61779-776-7
415	2012	Rajender S., Meador C., Agarwal A.	Small RNA in spermatogenesis and male infertility	Frontiers in Bioscience - Scholar	4 S	4	1266	1274	7	
416	2012	Carvalho L.F.P., Below A., Abrão M.S., Agarwal A.	Minimal and mild endometriosis negatively impact on pregnancy outcome [Endometriose mínima e leve e seu impacto negativo sobre a gravidez]	Revista da Associação Médica Brasileira	58	5	607	614	6	
417	2012	Hamada A., Esteves S., Agarwal Prof. A.	Unexplained male infertility - Looking beyond routine semen analysis	European Urological Review	7	1	90	96	5	
418	2012	Premkumar B.J., Agarwal A.	Female infertility and assisted reproduction: Impact of oxidative stress-- An update	Current Women's Health Reviews	8	3	183	207	5	10.2174/157340412803760711
419	2012	Lampiao F., Opperman C.J., Agarwal A., du Plessis S.S.	Oxidative stress	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			225	235	5	10.1007/978-1-4614-3335-4_22
420	2012	Kashou A.H., Du Plessis S.S., Agarwal A.	The role of obesity in ROS generation and male infertility	Studies on Men's Health and Fertility			571	590	3	10.1007/978-1-61779-776-7_26
421	2012	Parekattil S.J., Agarwal A.	Male infertility: Contemporary clinical approaches, andrology, art & antioxidants	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			1	518	3	10.1007/978-1-4614-3335-4
422	2012	Seli E., Agarwal A.	Fertility preservation: Emerging technologies and clinical applications	Fertility Preservation: Emerging Technologies and Clinical Applications			1	407	3	10.1007/9781441917836
423	2012	Mouradi R., Desai N., Erdemir A., Agarwal A.	The use of FDTD in establishing in vitro experimentation conditions representative of lifelike cell phone radiation on the spermatozoa	Health Physics	102	1	54	62	3	10.1097/HP.0b013e3182289bfb
424	2012	Said T.M., Gokul S.R., Agarwal A.	Clinical consequences of oxidative stress in male infertility	Studies on Men's Health and Fertility			535	549	2	10.1007/978-1-61779-776-7_24

425	2012	Parekattil S.J., Agarwal A.	Preface	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			ix	x	2	10.1007/978-1-4614-3335-4
426	2012	Uyar I., Gulhan I., Sipahi M., Cetin F., Merih Hanhan H., Ozeren M.	Risk factors for surgery in patients with tuba-ovarian abscess	Archives of Gynecology and Obstetrics	286	4	973	975	1	10.1007/s00404-012-2385-4
427	2012	Khullar K., Agarwal A., du Plessis S.S.	A hormonal, physical, and proteomic view of obesity-induced effects on male infertility and possible lifestyle modifications	Asian Pacific Journal of Reproduction	1	2	161	168	1	10.1016/S2305-0500(13)60071-8
428	2012	Carvalho L., Nataraj N., Rao J., Khetarpal S., Abrão M.S., Agarwal A.	Seven ways to preserve female fertility in patients with endometriosis	Expert Review of Obstetrics and Gynecology	7	3	227	240	1	10.1586/eog.12.19
429	2012	Agarwal A., Kashou A.H., Sekhon L.H.	Oxidative stress and the use of antioxidants for idiopathic OATs	Studies on Men's Health and Fertility			485	516	1	10.1007/978-1-61779-776-7_22
430	2012	Said T., Agarwal A.	Antioxidants in sperm cryopreservation	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			431	437	1	10.1007/978-1-4614-3335-4_41
431	2012	Ko E.Y., Kefer J.C., Agarwal A., Sabanegh E.	Synthetic antioxidants	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			381	388	1	10.1007/978-1-4614-3335-4_36
432	2012	Premkumar B.J., Aponte A., Shaman A., Agarwal A.	Reactive oxygen species and female infertility	Systems Biology of Free Radicals and Antioxidants			2743	2772		10.1007/978-3-642-30018-9_114
433	2012	O'Flynn O'Brien K.L., Agarwal A.	The Infertile Male Patient with a Genetic Cause	Assisted Reproduction Techniques: Challenges and Management Options			371	375		10.1002/9781444398854.ch87
434	2012	Flint M., Agarwal A., Du Plessis S.S.	Leukocytospermia and oxidative stress	Studies on Men's Health and Fertility			517	533		10.1007/978-1-61779-776-7_23
435	2012	Cabler S., Agarwal A.	Obesity and male fertility	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			349	360		10.1007/978-1-4614-3335-4_33
436	2012	Agarwal A., Singh A.	Sperm DNA damage and antioxidant use: Roles in male fertility	Male Infertility: Contemporary Clinical Approaches, Andrology, ART and Antioxidants			307	315		10.1007/978-1-4614-3335-4_29

437	2012	Seli E., Agarwal A.	Preface	Fertility Preservation: Emerging Technologies and Clinical Applications			vii	viii		10.1007/9781441917836
438	2012	Deepinder F., Agarwal A.	Approach to fertility preservation in adult and pre-pubertal males	Fertility Preservation: Emerging Technologies and Clinical Applications			353	364		10.1007/9781441917836_27
439	2013	Sharma R., Biedenharn K.R., Fedor J.M., Agarwal A.	Lifestyle factors and reproductive health: Taking control of your fertility	Reproductive Biology and Endocrinology	11	1			197	10.1186/1477-7827-11-66
440	2013	Hamada A.J., Esteves S.C., Agarwal A.	A comprehensive review of genetics and genetic testing in azoospermia	Clinics	68	SUPPL. 1	39	60	68	10.6061/clinics/2013(Sup01)06
441	2013	Hamada A., Esteves S.C., Agarwal A.	Insight into oxidative stress in varicocele-associated male infertility: Part 2	Nature Reviews Urology	10	1	26	37	66	10.1038/nrurol.2012.198
442	2013	Sharma R., Agarwal A., Mohanty G., Hamada A.J., Gopalan B., Willard B., Yadav S., du Plessis S.	Proteomic analysis of human spermatozoa proteins with oxidative stress	Reproductive Biology and Endocrinology	11	1			52	10.1186/1477-7827-11-48
443	2013	Sharma R., Agarwal A., Mohanty G., Du Plessis S.S., Gopalan B., Willard B., Yadav S.P., Sabanegh E.	Proteomic analysis of seminal fluid from men exhibiting oxidative stress	Reproductive Biology and Endocrinology	11	1			46	10.1186/1477-7827-11-85
444	2013	Kashou A.H., Sharma R., Agarwal A.	Assessment of oxidative stress in sperm and semen	Methods in Molecular Biology	927		351	361	44	10.1007/978-1-62703-38-0_30
445	2013	Sharma R., Agarwal A., Mohanty G., Jesudasan R., Gopalan B., Willard B., Yadav S.P., Sabanegh E.	Functional proteomic analysis of seminal plasma proteins in men with various semen parameters	Reproductive Biology and Endocrinology	11	1			39	10.1186/1477-7827-11-38
446	2013	Esteves S.C., Lee W., Benjamin D.J., Seol B., Verza Jr. S., Agarwal A.	Reproductive potential of men with obstructive azoospermia undergoing percutaneous sperm retrieval and intracytoplasmic sperm injection according to the cause of obstruction	Journal of Urology	189	1	232	237	39	10.1016/j.juro.2012.08.084
447	2013	Sharma R., Masaki J., Agarwal A.	Sperm DNA fragmentation analysis using the TUNEL assay	Methods in Molecular Biology	927		121	136	34	10.1007/978-1-62703-38-0_12
448	2013	Esteves S.C., Agarwal A.	Reproductive outcomes, including neonatal data, following sperm injection in men with obstructive and nonobstructive azoospermia: Case series and systematic review	Clinics	68	SUPPL. 1	141	149	33	10.6061/clinics/2013(Sup01)16
449	2013	Hamada A., Sharma R., Du Plessis S.S., Willard B., Yadav S.P., Sabanegh E., Agarwal A.	Two-dimensional differential in-gel electrophoresis-based proteomics of male gametes in relation to oxidative stress	Fertility and Sterility	99	5	1216	1226	30	10.1016/j.fertnstert.2012.11.046
450	2013	Baker K., McGill J., Sharma R., Agarwal A., Sabanegh Jr. E.	Pregnancy after varicoectomy: Impact of postoperative motility and DFI	Urology	81	4	760	766	27	10.1016/j.urology.2012.12.005
451	2013	Esteves S.C., Miyaoka R., Orosz J.E., Agarwal A.	An update on sperm retrieval techniques for azoospermic males	Clinics	68	SUPPL. 1	99	110	26	10.6061/clinics/2013(Sup01)11
452	2013	Alshahrani S., McGill J., Agarwal A.	Prostatitis and male infertility	Journal of Reproductive Immunology	100	1	30	36	22	10.1016/j.jri.2013.05.004
453	2013	Du Plessis S.S., Gokul S., Agarwal A.	Semen hyperviscosity: Causes, consequences, and cures	Frontiers in Bioscience - Elite	5 E	1	224	231	22	
454	2013	Sharma R.K., Azeem A., Agarwal A.	Spindle and chromosomal alterations in metaphase II oocytes	Reproductive Sciences	20	11	1293	1301	11	10.1177/1933719113483018

455	2013	Esteves S.C., Agarwal A.	The azoospermic male: Current knowledge and future perspectives	Clinics	68	SUPPL. 1	1	4	10	10.6061/clinics/2013(Sup01)01
456	2013	Carvalho L.F.P., Rossener R., Azeem A., Malvezzi H., Simões Abrão M., Agarwal A.	From conception to birth: How endometriosis affects the development of each stage of reproductive life	Minerva Ginecologica	65	2	181	198	9	
457	2013	Agarwal A., Zini A., Sigman M.	Is sperm DNA integrity assessment useful?	Journal of Urology	190	5	1645	1647	9	10.1016/j.juro.2013.08.004
458	2013	Agarwal A., Waghray A., Gupta S., Sharma R., Milas M.	Cryopreservation of parathyroid tissue: An illustrated technique using the cleveland clinic protocol	Journal of the American College of Surgeons	216	1	e1	e9	8	10.1016/j.jamcollsurg.2012.09.021
459	2013	De Carvalho L.F.P., Abrão M.S., Biscotti C., Sharma R., Agarwal A., Falcone T.	Mapping histological levels of 8-hydroxy-2'-deoxyguanosine in female reproductive organs	Journal of Molecular Histology	44	1	111	116	7	10.1007/s10735-012-9454-7
460	2013	Agarwal A., Malvezzi H., Sharma R.	Effect of an isotonic lubricant on sperm collection and sperm quality	Fertility and Sterility	99	6	1581	1586	6	10.1016/j.fertnstert.2013.01.116
461	2013	Sharma R.K., Reynolds N., Rakhit M., Agarwal A.	Methods for detection of ROS in the female reproductive system	Studies on Women's Health			33	60	5	10.1007/978-1-62703-041-0_2
462	2013	Rakhit M., Gokul S.R., Agarwal A., du Plessis S.S.	Antioxidant strategies to overcome OS in IVF-embryo transfer	Studies on Women's Health			237	262	4	10.1007/978-1-62703-041-0_13
463	2013	Pina Carvalho L.F., Hui C.Y., Agarwal A.	Endometriosis and infertility: Biomarkers affecting implantation rate	Expert Review of Obstetrics and Gynecology	8	5	467	473	3	10.1586/17474108.2013.825456
464	2013	Sekhon L.H., Agarwal A.	The menopause and oxidative stress	Studies on Women's Health			181	203	3	10.1007/978-1-62703-041-0_11
465	2013	Shaman A., Premkumar B.J., Agarwal A.	Placental vascular morphogenesis and oxidative stress	Studies on Women's Health			95	113	3	10.1007/978-1-62703-041-0_5
466	2013	Gupta S., Fedor J., Biedenharn K., Agarwal A.	Lifestyle factors and oxidative stress in female infertility: Is there an evidence base to support the linkage?	Expert Review of Obstetrics and Gynecology	8	6	607	624	2	10.1586/17474108.2013.849418
467	2013	Agarwal A., Aziz N., Rizk B.	Studies on women's health	Studies on Women's Health			1	363	2	10.1007/978-1-62703-041-0
468	2013	Sekhon L.H., Agarwal A.	Endometriosis and oxidative stress	Studies on Women's Health			149	167	2	10.1007/978-1-62703-041-0_9
469	2013	Carnahan M., Fedor J., Agarwal A., Gupta S.	Ovarian endometrioma: Guidelines for selection of cases for surgical treatment or expectant management	Expert Review of Obstetrics and Gynecology	8	1	29	55	2	10.1586/eog.12.75
470	2013	Gangrade B.K., Agarwal A.	Sperm morphologic characteristics and their impact on embryo quality and pregnancy outcome	Human Gametes and Preimplantation Embryos: Assessment and Diagnosis			65	73	1	10.1007/978-1-4614-6651-2_7
471	2013	Aponte A., Agarwal A.	Premature rupture of membranes and oxidative stress	Studies on Women's Health			143	147	1	10.1007/978-1-62703-041-0_8
472	2013	Aponte A., Agarwal A.	Oxidative stress impact on the fertility of women with polycystic ovary syndrome	Studies on Women's Health			169	180	1	10.1007/978-1-62703-041-0_10
473	2013	Agarwal A., Malvezzi H., Sharma R.	Re: Effect of an isotonic lubricant on sperm collection and sperm quality	Journal of Urology	190	5	1843			10.1016/j.juro.2013.07.093
474	2013	Baker K., McGill J., Sharma R., Agarwal A., Sabanegh Jr. E.	Re: Pregnancy after varicocele: Impact of postoperative motility and DFI	Journal of Urology	190	6	2210			10.1016/j.juro.2013.06.010
475	2014	Ko E.Y., Sabanegh E.S., Jr., Agarwal A.	Male infertility testing: Reactive oxygen species and antioxidant capacity	Fertility and Sterility	102	6	1518	1527	100	10.1016/j.fertnstert.2014.10.020
476	2014	Agarwal A., Durairajanayagam D., du Plessis S.S.	Utility of antioxidants during assisted reproductive techniques: An evidence based review	Reproductive Biology and Endocrinology	12	1			66	10.1186/1477-7827-12-112

477	2014	Agarwal A., Tvrda E., Sharma R.	Relationship amongst teratozoospermia, seminal oxidative stress and male infertility	Reproductive Biology and Endocrinology	12	1			62	10.1186/1477-7827-12-45
478	2014	Agarwal A., Durairajanayagam D., Halabi J., Peng J., Vazquez-Levin M.	Proteomics, oxidative stress and male infertility	Reproductive BioMedicine Online	29	1	32	58	53	10.1016/j.rbmo.2014.02.013
479	2014	Agarwal A., Mulgund A., Alshahrani S., Assidi M., Abuzenadah A.M., Sharma R., Sabanegh E.	Reactive oxygen species and sperm DNA damage in infertile men presenting with low level leukocytospermia	Reproductive Biology and Endocrinology	12	1			50	10.1186/1477-7827-12-126
480	2014	Esteves S.C., Sharma R.K., Gosálvez J., Agarwal A.	A translational medicine appraisal of specialized andrology testing in unexplained male infertility	International Urology and Nephrology	46	6	1037	1052	48	10.1007/s11255-014-0715-0
481	2014	Agarwal A., Sharma R.K., Sharma R., Assidi M., Abuzenadah A.M., Alshahrani S., Durairajanayagam D., Sabanegh E.	Characterizing semen parameters and their association with reactive oxygen species in infertile men	Reproductive Biology and Endocrinology	12	1			45	10.1186/1477-7827-12-33
482	2014	Tahmasbpour E., Balasubramanian D., Agarwal A.	A multi-faceted approach to understanding male infertility: gene mutations, molecular defects and assisted reproductive techniques (ART)	Journal of Assisted Reproduction and Genetics	31	9	1115	1137	43	10.1007/s10815-014-0280-6
483	2014	Gupta S., Ghulmiyyah J., Sharma R., Halabi J., Agarwal A.	Power of proteomics in linking oxidative stress and female infertility	BioMed Research International	2014				42	10.1155/2014/916212
484	2014	Tvrda E., Peer R., Sikka S.C., Agarwal A.	Iron and copper in male reproduction: a double-edged sword	Journal of Assisted Reproduction and Genetics	32	1	3	16	39	10.1007/s10815-014-0344-7
485	2014	Banihani S., Agarwal A., Sharma R., Bayachou M.	Cryoprotective effect of l-carnitine on motility, vitality and DNA oxidation of human spermatozoa	Andrologia	46	6	637	641	39	10.1111/and.12130
486	2014	Agarwal A., Mulgund A., Sharma R., Sabanegh E.	Mechanisms of oligozoospermia: An oxidative stress perspective	Systems Biology in Reproductive Medicine	60	4	206	216	38	10.3109/19396368.2014.918675
487	2014	Durairajanayagam D., Agarwal A., Ong C., Prashast P.	Lycopene and male infertility	Asian Journal of Andrology	16	3	420	425	30	10.4103/1008-682X.126384
488	2014	Esteves S.C., Prudencio C., Seol B., Verza Jr. S., Knoedler C., Agarwal A.	Comparison of sperm retrieval and reproductive outcome in azoospermic men with testicular failure and obstructive azoospermia treated for infertility	Asian Journal of Andrology	16	4	602	606	24	10.4103/1008-682X.126015
489	2014	Alshahrani S., Agarwal A., Assidi M., Abuzenadah A.M., Durairajanayagam D., Ayaz A., Sharma R., Sabanegh E.	Infertile men older than 40 years are at higher risk of sperm DNA damage	Reproductive Biology and Endocrinology	12	1			23	10.1186/1477-7827-12-103
490	2014	delli Muti N., Agarwal A., Buldreghini E., Gioia A., Lenzi A., Boscaro M., Balercia G.	Have androgen receptor gene CAG and GGC repeat polymorphisms an effect on sperm motility in infertile men?	Andrologia	46	5	564	569	19	10.1111/and.12119
491	2014	Malvezzi H., Sharma R., Agarwal A., Abuzenadah A.M., Abu-Elmagd M.	Sperm quality after density gradient centrifugation with three commercially available media: A controlled trial	Reproductive Biology and Endocrinology	12	1			18	10.1186/1477-7827-12-121
492	2014	Gosálvez J., Rodríguez-Predreira M., Mosquera A., López-Fernández C., Esteves S.C., Agarwal A., Fernández J.L.	Characterisation of a subpopulation of sperm with massive nuclear damage, as recognised with the sperm chromatin dispersion test	Andrologia	46	6	602	609	17	10.1111/and.12118
493	2014	Barazani Y., Agarwal A., Sabanegh Jr. E.S.	Functional sperm testing and the role of proteomics in the evaluation of male infertility	Urology	84	2	255	261	16	10.1016/j.urology.2014.04.043
494	2014	Vessey W., Perez-Miranda A., Macfarquhar R., Agarwal A., Homa S.	Reactive oxygen species in human semen: Validation and qualification of a chemiluminescence assay	Fertility and Sterility	102	6	1576	1583	13	10.1016/j.fertnstert.2014.09.009
495	2014	Agarwal A., Ong C., Durairajanayagam D.	Contemporary and future insights into fertility preservation in male cancer patients	Translational Andrology and Urology	3	1	27	40	11	10.3978/j.issn.2223-4683.2014.02.06
496	2014	Esteves S.C., Agarwal A.	Re: Sperm retrieval rates and intracytoplasmic sperm injection outcomes for men with non-obstructive azoospermia and the health of resulting offspring	Asian Journal of Andrology	16	4	642		10	10.4103/1008-682X.127817

497	2014	Buldreghini E., Hamada A., Macri M.L., Amoroso S., Boscaro M., Lenzi A., Agarwal A., Balercia G.	Human leucocytes in asthenozoospermic patients: Endothelial nitric oxide synthase expression	Andrologia	46	10	1176	1182	3	10.1111/and.12211
498	2015	Agarwal A., Mulgund A., Hamada A., Chyatte M.R.	A unique view on male infertility around the globe	Reproductive Biology and Endocrinology	13	1			275	10.1186/s12958-015-0032-1
499	2015	Sharma R., Agarwal A., Rohra V.K., Assidi M., Abu-Elmagd M., Turki R.F.	Effects of increased paternal age on sperm quality, reproductive outcome and associated epigenetic risks to offspring	Reproductive Biology and Endocrinology	13	1			95	10.1186/s12958-015-0028-x
500	2015	Durairajanayagam D., Agarwal A., Ong C.	Causes, effects and molecular mechanisms of testicular heat stress	Reproductive BioMedicine Online	30	1	14	27	88	10.1016/j.rbmo.2014.09.018
501	2015	Du Plessis S.S., Agarwal A., Mohanty G., Van Der Linde M.	Oxidative phosphorylation versus glycolysis: What fuel do spermatozoa use?	Asian Journal of Andrology	17	2	230	235	74	10.4103/1008-682X.135123
502	2015	Du Plessis S.S., Agarwal A., Halabi J., Tvrda E.	Contemporary evidence on the physiological role of reactive oxygen species in human sperm function	Journal of Assisted Reproduction and Genetics	32	4	509	520	51	10.1007/s10815-014-0425-7
503	2015	Gunes S., Al-Sadaan M., Agarwal A.	Spermatogenesis, DNA damage and DNA repair mechanisms in male infertility	Reproductive BioMedicine Online	31	3	309	319	48	10.1016/j.rbmo.2015.06.010
504	2015	Esteves S.C., Gosálvez J., López-Fernández C., Núñez-Calonge R., Caballero P., Agarwal A., Fernández J.L.	Diagnostic accuracy of sperm DNA degradation index (DDSI) as a potential noninvasive biomarker to identify men with varicocele-associated infertility	International Urology and Nephrology	47	9	1471	1477	43	10.1007/s11255-015-1053-6
505	2015	du Plessis S.S., Agarwal A., Syriac A.	Marijuana, phytocannabinoids, the endocannabinoid system, and male fertility	Journal of Assisted Reproduction and Genetics	32	11	1575	1588	41	10.1007/s10815-015-0553-8
506	2015	Agarwal A., Ahmad G., Sharma R.	Reference values of reactive oxygen species in seminal ejaculates using chemiluminescence assay	Journal of Assisted Reproduction and Genetics	32	12	1721	1729	31	10.1007/s10815-015-0584-1
507	2015	Mayorga-Torres B.J.M., Camargo M., Agarwal A., du Plessis S.S., Cadavid P., Cardona Maya W.D.	Influence of ejaculation frequency on seminal parameters	Reproductive Biology and Endocrinology	13	1			30	10.1186/s12958-015-0045-9
508	2015	Agarwal A., Sharma R., Durairajanayagam D., Ayaz A., Cui Z., Willard B., Gopalan B., Sabanegh E.	Major protein alterations in spermatozoa from infertile men with unilateral varicocele	Reproductive Biology and Endocrinology	13	1			27	10.1186/s12958-015-0007-2
509	2015	Ayaz A., Agarwal A., Sharma R., Arafa M., Elbardisi H., Cui Z.	Impact of precise modulation of reactive oxygen species levels on spermatozoa proteins in infertile men	Clinical Proteomics	12	1			23	10.1186/1559-0275-12-4
510	2015	Homa S.T., Vessey W., Perez-Miranda A., Riyait T., Agarwal A.	Reactive Oxygen Species (ROS) in human semen: determination of a reference range	Journal of Assisted Reproduction and Genetics	32	5	757	764	22	10.1007/s10815-015-0454-x
511	2015	Harlev A., Gupta S., Agarwal A.	Targeting oxidative stress to treat endometriosis	Expert Opinion on Therapeutic Targets	19	11	1447	1464	21	10.1517/14728222.2015.1077226
512	2015	Agarwal A., Ayaz A., Samanta L., Sharma R., Assidi M., Abuzenadah A.M., Sabanegh E.	Comparative proteomic network signatures in seminal plasma of infertile men as a function of reactive oxygen species	Clinical Proteomics	12	1			21	10.1186/s12014-015-9094-5
513	2015	Tvrda E., Agarwal A., Alkuhaimi N.	Male reproductive cancers and infertility: A mutual relationship	International Journal of Molecular Sciences	16	4	7230	7260	18	10.3390/ijms16047230
514	2015	Agarwal A., Sharma R., Durairajanayagam D., Cui Z., Ayaz A., Gupta S., Willard B., Gopalan B., Sabanegh E.	Differential proteomic profiling of spermatozoal proteins of infertile men with unilateral or bilateral varicocele	Urology	85	3	580	588	17	10.1016/j.urology.2014.11.030
515	2015	Hamada A., Kingsberg S., Wierckx K., T'Sjoen G., De Sutter P., Knudson G., Agarwal A.	Semen characteristics of transwomen referred for sperm banking before sex transition: A case series	Andrologia	47	7	832	838	16	10.1111/and.12330
516	2015	Sharma R., Kattoor A.J., Ghulmiyyah J., Agarwal A.	Effect of sperm storage and selection techniques on sperm parameters	Systems Biology in Reproductive Medicine	61	1	1	12	14	10.3109/19396368.2014.976720

517	2015	Agarwal A., Durairajanayagam D.	Are men talking their reproductive health away?	Asian Journal of Andrology	17	3	433	434	9	10.4103/1008-682X.140963
518	2015	Moazzam A., Sharma R., Agarwal A.	Relationship of spermatozoal DNA fragmentation with semen quality in varicocele-positive men	Andrologia	47	8	935	944	5	10.1111/and.12360
519	2015	Agarwal A., Sharma R., Gupta S., Sharma R.	NextGen® home sperm banking kit: Outcomes of offsite vs onsite collection - Preliminary findings	Urology	85	6	1339	1346	4	10.1016/j.urology.2015.02.044
520	2015	Agarwal A., Hamada A., Esteves S.C.	Engaging Practicing Gynecologists in the Management of Infertile Men	Journal of Obstetrics and Gynecology of India	65	2	75	87	4	10.1007/s13224-014-0623-3
521	2015	Mulgund A., Doshi S., Agarwal A.	The Role of Oxidative Stress in Endometriosis	Handbook of Fertility: Nutrition, Diet, Lifestyle and Reproductive Health			273	281	3	10.1016/B978-0-12-800872-0.00025-1
522	2015	Durairajanayagam D., Rengan A.K., Sharma R.K., Agarwal A.	Sperm biology from production to ejaculation	Unexplained Infertility: Pathophysiology, Evaluation and Treatment			29	42	3	10.1007/978-1-4939-2140-9_5
523	2015	Schattman G.L., Esteves S.C., Agarwal A.	Unexplained infertility: Pathophysiology, evaluation and treatment	Unexplained Infertility: Pathophysiology, Evaluation and Treatment			1	347	3	10.1007/978-1-4939-2140-9
524	2015	Esteves S.C., Schattman G.L., Agarwal A.	Definitions and relevance of unexplained infertility in reproductive medicine	Unexplained Infertility: Pathophysiology, Evaluation and Treatment			3	5	3	10.1007/978-1-4939-2140-9_1
525	2015	Durairajanayagam D., Kashou A.H., Tatagari S., Vitale J., Cirenza C., Agarwal A.	Cleveland Clinic's summer research program in reproductive medicine: An inside look at the class of 2014	Medical Education Online	20	1			2	10.3402/meo.v20.29517
526	2015	Schattman G.L., Esteves S.C., Agarwal A.	Preface	Unexplained Infertility: Pathophysiology, Evaluation and Treatment			v	vi	2	10.1007/978-1-4939-2140-9
527	2015	Doshi S.B., Sharma R.K., Agarwal A.	Oxidative stress in unexplained male infertility	Unexplained Infertility: Pathophysiology, Evaluation and Treatment			81	89	2	10.1007/978-1-4939-2140-9_10
528	2015	Tvrda E., Gosalvez J., Agarwal A.	Epigenetics and its Role in Male Infertility	Handbook of Fertility: Nutrition, Diet, Lifestyle and Reproductive Health			411	422	1	10.1016/B978-0-12-800872-0.00036-6
529	2015	Agarwal A., Sharma R.	Reply	Urology	85	6	1345	1346		10.1016/j.urology.2015.02.046
530	2015	Agarwal A., Tvrda E., Mulgund A.	Oxidative Stress in Preeclampsia	Handbook of Fertility: Nutrition, Diet, Lifestyle and Reproductive Health			283	290		10.1016/B978-0-12-800872-0.00026-3

531	2015	Agarwal A., Durairajanayagam D.	Lifestyle Factors and Reproductive Health	Handbook of Fertility: Nutrition, Diet, Lifestyle and Reproductive Health			145	157		10.1016/B978-0-12-800872-0.00013-5
532	2015	Esteves S.C., Verza S., Jr., Sharma R.K., Gosálvez J., Agarwal A.	Role and significance of sperm function in men with unexplained infertility	Unexplained Infertility: Pathophysiology, Evaluation and Treatment			91	119		10.1007/978-1-4939-2140-9_11
533	2016	Agarwal A., Majzoub A., Esteves S.C., Ko E., Ramasamy R., Zini A.	Clinical utility of sperm DNA fragmentation testing: Practice recommendations based on clinical scenarios	Translational Andrology and Urology	5	6	935	950	176	10.21037/tau.2016.10.03
534	2016	Sharma R., Harlev A., Agarwal A., Esteves S.C.	Cigarette Smoking and Semen Quality: A New Meta-analysis Examining the Effect of the 2010 World Health Organization Laboratory Methods for the Examination of Human Semen	European Urology	70	4	635	645	94	10.1016/j.eururo.2016.04.010
535	2016	Cho C.-L., Esteves S.C., Agarwal A.	Novel insights into the pathophysiology of varicocele and its association with reactive oxygen species and sperm DNA fragmentation	Asian Journal of Andrology	18	2	186	193	75	10.4103/1008-682X.170441
536	2016	Agarwal A., Cho C.-L., Esteves S.C.	Should we evaluate and treat sperm DNA fragmentation?	Current Opinion in Obstetrics and Gynecology	28	3	164	171	71	10.1097/GCO.0000000000000271
537	2016	Agarwal A., Durairajanayagam D., Tatagari S., Esteves S.C., Harlev A., Henkel R., Roychoudhury S., Homa S., Puchalt N.G., Ramasamy R., Majzoub A., Dao Ly K., Tvrda E., Assidi M., Kesari K., Sharma R., Banihani S., Ko E., Abu-Elmagd M., Gosálvez J., Bashiri A.	Bibliometrics: Tracking research impact by selecting the appropriate metrics	Asian Journal of Andrology	18	2	296	309	59	10.4103/1008-682X.171582
538	2016	Esteves S.C., Miyaoka R., Roque M., Agarwal A.	Outcome of varicocele repair in men with nonobstructive azoospermia: Systematic review and meta-analysis	Asian Journal of Andrology	18	2	246	253	38	10.4103/1008-682X.169562
539	2016	Agarwal A., Gupta S., Du Plessis S., Sharma R., Esteves S.C., Cireza C., Eliwa J., Al-Najjar W., Kumaresan D., Haroun N., Philby S., Sabanegh E.	Abstinence Time and Its Impact on Basic and Advanced Semen Parameters	Urology	94		102	110	37	10.1016/j.urology.2016.03.059
540	2016	Majzoub A., Esteves S.C., Gosálvez J., Agarwal A.	Specialized sperm function tests in varicocele and the future of andrology laboratory	Asian Journal of Andrology	18	2	205	212	37	10.4103/1008-682X.172642
541	2016	Agarwal A., Roychoudhury S., Bjugstad K.B., Cho C.-L.	Oxidation-reduction potential of semen: What is its role in the treatment of male infertility?	Therapeutic Advances in Urology	8	5	302	318	36	10.1177/1756287216652779
542	2016	Agarwal A., Sharma R., Roychoudhury S., Du Plessis S., Sabanegh E.	MiOXSYS: a novel method of measuring oxidation reduction potential in semen and seminal plasma	Fertility and Sterility	106	3	566	573	33	10.1016/j.fertnstert.2016.05.013
543	2016	Sharma R., Ahmad G., Esteves S.C., Agarwal A.	Terminal deoxynucleotidyl transferase dUTP nick end labeling (TUNEL) assay using bench top flow cytometer for evaluation of sperm DNA fragmentation in fertility laboratories: protocol, reference values, and quality control	Journal of Assisted Reproduction and Genetics	33	2	291	300	33	10.1007/s10815-015-0635-7
544	2016	Esteves S.C., Roque M., Agarwal A.	Outcome of assisted reproductive technology in men with treated and untreated varicocele: Systematic review and meta-analysis	Asian Journal of Andrology	18	2	254	258	28	10.4103/1008-682X.163269
545	2016	Roychoudhury S., Sharma R., Sikka S., Agarwal A.	Diagnostic application of total antioxidant capacity in seminal plasma to assess oxidative stress in male factor infertility	Journal of Assisted Reproduction and Genetics	33	5	627	635	27	10.1007/s10815-016-0677-5

546	2016	Agarwal A., Sharma R., Harlev A., Esteves S.	Effect of varicocele on semen characteristics according to the new 2010 World Health Organization criteria: A systematic review and meta-analysis	Asian Journal of Andrology	18	2	163	170	27	10.4103/1008-682X.172638
547	2016	Agarwal A., Sharma R., Samanta L., Durairajanayagam D., Sabanegh E.	Proteomic signatures of infertile men with clinical varicocele and their validation studies reveal mitochondrial dysfunction leading to infertility	Asian Journal of Andrology	18	2	282	291	18	10.4103/1008-682X.170445
548	2016	Samanta L., Swain N., Ayaz A., Venugopal V., Agarwal A.	Post-Translational Modifications in sperm Proteome: The Chemistry of Proteome diversifications in the Pathophysiology of male factor infertility	Biochimica et Biophysica Acta - General Subjects	1860	7	1450	1465	16	10.1016/j.bbagen.2016.04.001Review
549	2016	Esteves S.C., Agarwal A.	Afterword to varicocele and male infertility: Current concepts and future perspectives	Asian Journal of Andrology	18	2	319	322	15	10.4103/1008-682X.172820
550	2016	Agarwal A., Sharma R., Durairajanayagam D., Cui Z., Ayaz A., Gupta S., Willard B., Gopalan B., Sabanegh E.	Spermatozoa protein alterations in infertile men with bilateral varicocele	Asian Journal of Andrology	18	1	43	53	15	10.4103/1008-682X.153848
551	2016	Cui Z., Sharma R., Agarwal A.	Proteomic analysis of mature and immature ejaculated spermatozoa from fertile men	Asian Journal of Andrology	18	5	735	746	13	10.4103/1008-682X.164924
552	2016	Mayorga-Torres J.M., Agarwal A., Roychoudhury S., Cadavid A., Cardona-Maya W.D.	Can a short term of repeated ejaculations affect seminal parameters?	Journal of Reproduction and Infertility	17	3	177	183	13	
553	2016	Kothandaraman N., Agarwal A., Abu-Elmagd M., Al-Qahtani M.H.	Pathogenic landscape of idiopathic male infertility: New insight towards its regulatory networks	npj Genomic Medicine	1				8	10.1038/npjgenmed.2016.23
554	2016	Agarwal A., Bertolla R.P., Samanta L.	Sperm proteomics: Potential impact on male infertility treatment	Expert Review of Proteomics	13	3	285	296	8	10.1586/14789450.2016.1151357
555	2016	Alizadeh R., Navid S., Abbasi N., Yari A., Mazaheri Z., Daneshi E., Agarwal A., Abbasi M.	The effect of aminoguanidine on sperm motility and mitochondrial membrane potential in varicocele rats	Iranian Journal of Basic Medical Sciences	19	12	1279	1284	5	10.22038/ijbms.2016.7908
556	2016	Darbandi S., Darbandi M., Khorshid H.R.K., Sadeghi M.R., Al-Hasani S., Agarwal A., Shirazi A., Heidari M., Akhondi M.M.	Experimental strategies towards increasing intracellular mitochondrial activity in oocytes: A systematic review	Mitochondrion	30		8	17	5	10.1016/j.mito.2016.05.006
557	2016	Majzoub A., Arafa M., Al Said S., Agarwal A., Seif A., Al Naimi A., El Bardisi H.	Outcome of testicular sperm extraction in nonmosaic Klinefelter syndrome patients: What is the best approach?	Andrologia	48	2	171	176	5	10.1111/and.12428
558	2016	Agarwal A., Esteves S.C.	Varicocele and male infertility: Current concepts and future perspectives	Asian Journal of Andrology	18	2	161	162	4	10.4103/1008-682X.172819
559	2016	Gunes S.O., Metin Mahmutoglu A., Agarwal A.	Genetic and epigenetic effects in sex determination	Birth Defects Research Part C - Embryo Today: Reviews	108	4	321	336	3	10.1002/bdrc.21146
560	2016	Hossain A., Phelps J., Agarwal A., Sanz E., Mahadevan M.	A review of the society for assisted reproductive technology embryo grading system and proposed modification	International Journal of Fertility and Sterility	10	2	141	147	3	
561	2016	Vaamonde D., Agarwal A., du Plessis S.S., Algar-Santacruz C., Kruger T.F.	Impact of physical activity and exercise on male reproductive potential: Semen alterations	Exercise and Human Reproduction: Induced Fertility Disorders and Possible Therapies			93	100	3	10.1007/978-1-4939-3402-7_7
562	2016	Ahmad G., Agarwal A.	Ionizing radiation and male fertility	Male Infertility: A Clinical Approach			185	196	3	10.1007/978-81-322-3604-7_12
563	2016	Harlev A., Esteves S.C., Sharma R., Agarwal A.	Reply from Authors re: Christian Leiber, Ulrich Wetterauer. The Cigarette and the Sperm: A Fatal Liaison? Eur Urol 2016;70:646-7: The Cigarette and the Sperm: Causality Dilemma no more?	European Urology	70	4	647	648	2	10.1016/j.eururo.2016.05.016

564	2016	Adebayo Kehinde B., Abolhassani F., Yazdekhesti H., Abbasi N., Heydari L., Daneshi E., Rajabi Z., Hamada A., Agarwal A., Abbasi M.	The effects of unilateral varicose ovarian vein on antioxidant capacity and oocyte quality in rat ovary	Iranian Journal of Basic Medical Sciences	19	8	863	869	2	10.22038/ijbms.2016.7468
565	2016	Agarwal A., Esteves S.C., Gupta S., Sharma R., Du Plessis S., Sabanegh E.	Author Reply	Urology	94		109	110	2	10.1016/j.urology.2016.03.061
566	2016	Vaamonde D., du Plessis S.S., Agarwal A.	Exercise and human reproduction: Induced fertility disorders and possible therapies	Exercise and Human Reproduction: Induced Fertility Disorders and Possible Therapies			1	351	2	10.1007/978-1-4939-3402-7
567	2016	Ahmad G., du Plessis S.S., Agarwal A.	Sexually transmitted infections and impact on male fertility	Male Infertility: A Clinical Approach			167	183	2	10.1007/978-81-322-3604-7_11
568	2016	Bashiri A., Harlev A., Agarwal A.	Recurrent pregnancy loss: Evidence-based evaluation, diagnosis and treatment	Recurrent Pregnancy Loss: Evidence-Based Evaluation, Diagnosis and Treatment			1	208	2	10.1007/978-3-319-27452-2
569	2016	Abu-Elmagd M., Assidi M., Dallol A., Buhmeida A., Pushparaj P.N., Kalamegam G., Al-Hamzi E., Shay J.W., Scherer S.W., Agarwal A., Budowle B., Gari M., Chaudhary A., Abuzenadah A., Al-Qahtani M.	The Third International Genomic Medicine Conference (3rd IGMC, 2015): Overall activities and outcome highlights	BMC Genomics	17				1	10.1186/s12864-016-3085-4
570	2016	Vaamonde D., du Plessis S.S., Agarwal A.	Preface	Exercise and Human Reproduction: Induced Fertility Disorders and Possible Therapies			vii	viii	1	10.1007/978-1-4939-3402-7
571	2016	Kumanov P., Agarwal A.	Puberty: Physiology and abnormalities	Puberty: Physiology and Abnormalities			1	294	1	10.1007/978-3-319-32122-6
572	2016	Bashiri A., Harlev A., Agarwal A.	Preface	Recurrent Pregnancy Loss: Evidence-Based Evaluation, Diagnosis and Treatment			ix	x	1	10.1007/978-3-319-27452-2
573	2016	Samanta L., Mohanty G., Agarwal A.	Male factors in recurrent pregnancy loss	Recurrent Pregnancy Loss: Evidence-Based Evaluation, Diagnosis and Treatment			109	129	1	10.1007/978-3-319-27452-2_8
574	2016	Majzoub A., Elbardisi H., Arafa M., Agarwal A., Al Said S., Al Rumaihi K.	Does the number of veins ligated during varicocele surgery influence post-operative semen and hormone results?	Andrology	4	5	939	943		10.1111/andr.12226
575	2016	Agarwal A., Sharma R., Singh A., Gupta S., Sharma R.	Standardisation of a novel sperm banking kit – NextGen® – to preserve sperm parameters during shipment	Andrologia	48	6	662	669		10.1111/and.12497
576	2016	Maartens P.J., Peng J., Agarwal A., Vaamonde D., du Plessis S.S.	Oxidative stress and infertility: A possible link to exercise	Exercise and Human Reproduction: Induced Fertility Disorders and Possible Therapies			303	315		10.1007/978-1-4939-3402-7_18

577	2016	Jiménez-Reina L., Maartens P.J., Jimena-Medina I., Agarwal A., du Plessis S.S.	Overview of the male reproductive system	Exercise and Human Reproduction: Induced Fertility Disorders and Possible Therapies			1	17		10.1007/978-1-4939-3402-7_1
578	2016	Vaamonde D., du Plessis S.S., Agarwal A.	Erratum to: Exercise and human reproduction: Induced fertility disorders and possible therapies [Exercise and Human Reproduction, (2016)]. DOI 10.1007/978-1-4939-3402-7	Exercise and Human Reproduction: Induced Fertility Disorders and Possible Therapies			E1	E1		10.1007/978-1-4939-3402-7_21
579	2016	Kumanov P., Agarwal A.	Preface	Puberty: Physiology and Abnormalities			v	vi		
580	2016	Gupta S., Pandithurai E., Agarwal A.	Polycystic ovary syndrome in adolescent girls	Puberty: Physiology and Abnormalities			229	245		10.1007/978-3-319-32122-6_16
581	2016	Said T.M., Agarwal A.	Tests for sperm antibodies	Immune Infertility: Impact of Immune Reactions on Human Fertility, Second Edition			197	207		10.1007/978-3-319-40788-3_13
582	2016	Harlev A., Kumar D., Agarwal A.	The common characteristics between infertility and recurrent pregnancy loss	Recurrent Pregnancy Loss: Evidence-Based Evaluation, Diagnosis and Treatment			143	152		10.1007/978-3-319-27452-2_10
583	2017	Agarwal A., Roychoudhury S., Sharma R., Gupta S., Majzoub A., Sabanegh E.	Diagnostic application of oxidation-reduction potential assay for measurement of oxidative stress: clinical utility in male factor infertility	Reproductive BioMedicine Online	34	1	48	57	28	10.1016/j.rbmo.2016.10.008
584	2017	Roychoudhury S., Agarwal A., Virk G., Cho C.-L.	Potential role of green tea catechins in the management of oxidative stress-associated infertility	Reproductive BioMedicine Online	34	5	487	498	25	10.1016/j.rbmo.2017.02.006
585	2017	Ribeiro S., Sharma R., Gupta S., Cakar Z., De Geyter C., Agarwal A.	Inter- and intra-laboratory standardization of TUNEL assay for assessment of sperm DNA fragmentation	Andrology	5	3	477	485	25	10.1111/andr.12334
586	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	The Society for Translational Medicine: Clinical practice guidelines for sperm DNA fragmentation testing in male infertility	Translational Andrology and Urology	6		S720	S733	22	10.21037/tau.2017.08.06
587	2017	Agarwal A., Wang S.M.	Clinical Relevance of Oxidation-Reduction Potential in the Evaluation of Male Infertility	Urology	104		84	89	20	10.1016/j.urology.2017.02.016
588	2017	Majzoub A., Agarwal A.	Antioxidant therapy in idiopathic oligoasthenoteratozoospermia	Indian Journal of Urology	33	3	207	214	16	10.4103/iju.IJU_15_17
589	2017	Ahmad G., Agarwal A., Esteves S.C., Sharma R., Almasry M., Al-Gonaim A., AlHayaza G., Singh N., Al Kattan L., Sannaa W.M., Sabanegh E.	Ascorbic acid reduces redox potential in human spermatozoa subjected to heat-induced oxidative stress	Andrologia	49	10			15	10.1111/and.12773
590	2017	Agarwal A., Majzoub A.	Laboratory tests for oxidative stress	Indian Journal of Urology	33	3	199	206	12	10.4103/iju.IJU_9_17
591	2017	Esteves S.C., Agarwal A., Cho C.-L., Majzoub A.	A Strengths-Weaknesses-Opportunities-Threats (SWOT) analysis on the clinical utility of sperm DNA fragmentation testing in specific male infertility scenarios	Translational Andrology and Urology	6		S734	S760	11	10.21037/tau.2017.08.20
592	2017	Gosálvez J., Coppola L., Fernández J.L., López-Fernández C., Góngora A., Faundez R., Kim J., Sayme N., de la Casa M., Santiso R., Harrison K., Agarwal A., Johnston S., Esteves S.C.	Multi-centre assessment of nitroblue tetrazolium reactivity in human semen as a potential marker of oxidative stress	Reproductive BioMedicine Online	34	5	513	521	11	10.1016/j.rbmo.2017.01.014

593	2017	Majzoub A., Agarwal A., Cho C.-L., Esteves S.C.	Sperm DNA fragmentation testing: A cross sectional survey on current practices of fertility specialists	Translational Andrology and Urology	6		S710	S719	10	10.21037/tau.2017.06.21
594	2017	Agarwal A., Arafa M., Chandrakumar R., Majzoub A., AlSaid S., Elbardisi H.	A multicenter study to evaluate oxidative stress by oxidation-reduction potential, a reliable and reproducible method	Andrology	5	5	939	945	10	10.1111/andr.12395
595	2017	Gosalvez J., Tvrda E., Agarwal A.	Free radical and superoxide reactivity detection in semen quality assessment: past, present, and future	Journal of Assisted Reproduction and Genetics	34	6	697	707	10	10.1007/s10815-017-0912-8
596	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	Clinical utility of sperm DNA fragmentation testing: Concise practice recommendations	Translational Andrology and Urology	6		S366	S373	9	10.21037/tau.2017.07.28
597	2017	Agarwal A., Bui A.D.	Oxidation-reduction potential as a new marker for oxidative stress: Correlation to male infertility	Investigative and Clinical Urology	58	6	385	399	8	10.4111/icu.2017.58.6.385
598	2017	Lalinde-Acevedo P.C., Jose Manuel Mayorga-Torres B., Agarwal A., Du Plessis S.S., Ahmad G., Cadavid Á.P., Cardona Maya W.D.	Physically active men show better semen parameters than their sedentary counterparts	International Journal of Fertility and Sterility	11	3	156	165	8	10.22074/ijfs.2017.4881
599	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	Reactive oxygen species and sperm DNA fragmentation	Translational Andrology and Urology	6		S695	S696	8	10.21037/tau.2017.05.40
600	2017	Majzoub A., Agarwal A., Esteves S.C.	Antioxidants for elevated sperm DNA fragmentation: A mini review	Translational Andrology and Urology	6		S649	S653	8	10.21037/tau.2017.07.09
601	2017	Leisegang K., Henkel R., Agarwal A.	Redox regulation of fertility in aging male and the role of antioxidants: A savior or stressor	Current Pharmaceutical Design	23	30	4438	4450	8	10.2174/1381612822666161019150241
602	2017	Majzoub A., Tadros N.N., Polackwich A.S., Sharma R., Agarwal A., Sabanegh E., Jr.	Vasectomy reversal semen analysis: new reference ranges predict pregnancy	Fertility and Sterility	107	4	911	915	7	10.1016/j.fertnstert.2017.01.018
603	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	Future direction in sperm DNA fragmentation testing	Translational Andrology and Urology	6		S525	S526	6	10.21037/tau.2017.06.14
604	2017	Esteves S.C., Majzoub A., Agarwal A.	The problem of mixing 'apples and oranges' in meta-analytic studies	Translational Andrology and Urology	6		S412	S413	6	10.21037/tau.2017.03.23
605	2017	Esteves S.C., Agarwal A., Majzoub A.	An evidence-based perspective on the role of sperm chromatin integrity and sperm DNA fragmentation testing in male infertility	Translational Andrology and Urology	6		S665	S672	5	10.21037/tau.2017.05.39
606	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Risk factors associated with sperm DNA fragmentation	Translational Andrology and Urology	6		S519	S521	4	10.21037/tau.2017.04.18
607	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	The correct interpretation of sperm DNA fragmentation test	Translational Andrology and Urology	6		S621	S623	4	10.21037/tau.2017.06.25
608	2017	Majzoub A., Agarwal A., Esteves S.C.	The value of sperm DNA fragmentation testing in real-life clinical presentations	Translational Andrology and Urology	6		S416	S418	4	10.21037/tau.2017.03.12
609	2017	Esteves S.C., Agarwal A., Majzoub A.	Comparison of strategies to reduce sperm DNA fragmentation in couples undergoing ICSI	Translational Andrology and Urology	6		S570	S573	4	10.21037/tau.2017.03.67
610	2017	Vij S.C., Agarwal A.	Editorial on "An automated smartphone-based diagnostic assay for point-of-care semen analysis"	Annals of Translational Medicine	5	24			3	10.21037/atm.2017.09.12

611	2017	Darbandi S., Darbandi M., Khorshid H.R.K., Shirazi A., Sadeghi M.R., Agarwal A., Al-Hasani S., Naderi M.M., Ayaz A., Akhondi M.M.	Reconstruction of mammalian oocytes by germinal vesicle transfer: A systematic review	International Journal of Reproductive BioMedicine	15	10	601	612	3	10.29252/ijrm.15.10.2
612	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation in clinical practice	Translational Andrology and Urology	6		S544	S546	3	10.21037/tau.2017.03.13
613	2017	Esteves S.C., Majzoub A., Agarwal A.	Despite limitations, sperm DNA fragmentation testing provides unique information complementary to but distinct from semen analysis results	Translational Andrology and Urology	6		S377	S378	3	10.21037/tau.2017.05.04
614	2017	Esteves S.C., Agarwal A., Majzoub A.	The complex nature of the sperm DNA damage process	Translational Andrology and Urology	6		S557	S559	3	10.21037/tau.2017.05.13
615	2017	Agarwal A., Sharma R., Gupta S., Harlev A., Ahmad G., du Plessis S.S., Esteves S.C., Wang S.M., Durairajanayagam D.	Oxidative stress in human reproduction: Shedding light on a complicated Phenomenon	Oxidative Stress in Human Reproduction: Shedding Light on a Complicated Phenomenon			1	190	3	10.1007/978-3-319-48427-3
616	2017	Elbardisi H., Agarwal A., Majzoub A., Al Said S., Alnawadra H., Khalafalla K., Al Rumaihi K., Al Ansari A., Durairaganayagam D., Arafa M.	Does the number of veins ligated during microsurgical subinguinal varicocelectomy impact improvement in pain post-surgery?	Translational Andrology and Urology	6	2	264	270	3	10.21037/tau.2017.03.56
617	2017	Darbandi S., Darbandi M., Khorram Khorshid H.R., Sadeghi M.R., Agarwal A., Sengupta P., Al-Hasani S., Akhondi M.M.	Ooplasmic transfer in human oocytes: Efficacy and concerns in assisted reproduction	Reproductive Biology and Endocrinology	15	1			2	10.1186/s12958-017-0292-z
618	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	Use of sperm DNA fragmentation testing and testicular sperm for intracytoplasmic sperm injection	Translational Andrology and Urology	6		S688	S690	2	10.21037/tau.2017.06.13
619	2017	Majzoub A., Agarwal A., Esteves S.C.	Understanding sperm DNA fragmentation	Translational Andrology and Urology	6		S535	S538	2	10.21037/tau.2017.04.27
620	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	Development of treatment strategies in men with vulnerable sperm	Translational Andrology and Urology	6		S476	S478	2	10.21037/tau.2017.04.28
621	2017	Esteves S.C., Agarwal A., Majzoub A.	Sperm DNA fragmentation test results reflect the overall quality of the whole semen specimen	Translational Andrology and Urology	6		S592	S593	2	10.21037/tau.2017.03.15
622	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	One of the many missing links between infertility and sperm DNA fragmentation	Translational Andrology and Urology	6		S707	S709	2	10.21037/tau.2017.06.19
623	2017	Esteves S.C., Majzoub A., Agarwal A.	Further evidence supports the clinical utility of sperm DNA fragmentation testing in male infertility workup and assisted reproductive technology	Translational Andrology and Urology	6		S428	S436	2	10.21037/tau.2017.06.20
624	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation for the evaluation of male infertility: Clinical algorithms	Translational Andrology and Urology	6		S405	S408	2	10.21037/tau.2017.03.93
625	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	It is high time for clinical application of sperm DNA fragmentation testing	Translational Andrology and Urology	6		S577	S579	2	10.21037/tau.2017.06.16
626	2017	Esteves S.C., Agarwal A., Majzoub A.	Unraveling the utility and limitations of clinical practice guidelines	Translational Andrology and Urology	6		S506	S508	2	10.21037/tau.2017.03.45

627	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	A single cut-off value of sperm DNA fragmentation testing does not fit all	Translational Andrology and Urology	6		S501	S503	2	10.21037/tau.2017.08.12
628	2017	Esteves S.C., Agarwal A., Majzoub A.	Best practice statements are not intended to dictate an exclusive course of management	Translational Andrology and Urology	6		S683	S684	2	10.21037/tau.2017.03.14
629	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Call for wider application of sperm DNA fragmentation test	Translational Andrology and Urology	6		S399	S401	2	10.21037/tau.2017.03.64
630	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Development of targeted therapeutic strategies and refinement of sperm DNA fragmentation testing	Translational Andrology and Urology	6		S610	S612	2	10.21037/tau.2017.03.89
631	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	Implication of sperm processing during assisted reproduction on sperm DNA integrity	Translational Andrology and Urology	6		S583	S585	2	10.21037/tau.2017.04.20
632	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation: Overcoming standardization obstacles	Translational Andrology and Urology	6		S422	S424	2	10.21037/tau.2017.07.10
633	2017	ElBardisi H., Arafa M., Rengan A.K., Durairajanayagam D., AlSaid S.S., Khalafalla K., AlRumaihi K., Majzoub A., Agarwal A.	Varicocele among infertile men in Qatar	Andrologia	49	4			2	10.1111/and.12637
634	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	Current limitation and future perspective of sperm DNA fragmentation tests	Translational Andrology and Urology	6		S549	S552	1	10.21037/tau.2017.05.11
635	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Frontiers in clinical andrology	Translational Andrology and Urology	6		S343	S345	1	10.21037/tau.2017.09.07
636	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	The debate on sperm DNA fragmentation test goes on	Translational Andrology and Urology	6		S702	S703	1	10.21037/tau.2017.07.01
637	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation testing in patients with subclinical varicocele: Is there any evidence?	Translational Andrology and Urology	6		S459	S461	1	10.21037/tau.2017.03.88
638	2017	Esteves S.C., Majzoub A., Agarwal A.	Technical aspects of sperm DNA fragmentation testing, methods to select sperm with low DNA fragmentation, and usefulness of redox potential measurement in male infertility	Translational Andrology and Urology	6		S636	S639	1	10.21037/tau.2017.05.24
639	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	Sperm DNA fragmentation testing is on the right track	Translational Andrology and Urology	6		S389	S391	1	10.21037/tau.2017.04.17
640	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	All-round approach in diagnosis	Translational Andrology and Urology	6		S465	S467	1	10.21037/tau.2017.04.22
641	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.	Expanding treatment paradigm of high sperm DNA fragmentation	Translational Andrology and Urology	6		S450	S452	1	10.21037/tau.2017.03.72
642	2017	Esteves S.C., Agarwal A., Majzoub A.	Live birth must be the primary reproductive endpoint in IVF/ICSI studies evaluating sperm DNA fragmentation testing	Translational Andrology and Urology	6		S564	S565	1	10.21037/tau.2017.04.34
643	2017	Esteves S.C., Majzoub A., Agarwal A.	Integrating surgical and clinical andrology is essential to improve the quality of care delivered to infertile couples	Translational Andrology and Urology	6		S629	S631	1	10.21037/tau.2017.05.37

644	2017	Esteves S.C., Majzoub A., Agarwal A.	Expanding our understanding of clinical laboratory testing in male infertility patients	Translational Andrology and Urology	6		S440	S442	1	10.21037/tau.2017.05.02
645	2017	Agarwal A., Cho C.-L., Esteves S.C., Majzoub A.	The price and value of sperm DNA fragmentation tests	Translational Andrology and Urology	6		S597	S599	1	10.21037/tau.2017.06.08
646	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation: A key player in decision making	Translational Andrology and Urology	6		S394	S396	1	10.21037/tau.2017.03.16
647	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Drawbacks of the current practice	Translational Andrology and Urology	6		S529	S531	1	10.21037/tau.2017.04.24
648	2017	Majzoub A., Agarwal A., Esteves S.C.	Insights on the predictive accuracy of the sperm DNA fragmentation tests on male infertility	Translational Andrology and Urology	6		S644	S646	1	10.21037/tau.2017.05.09
649	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	The role of female factors in the management of sperm DNA fragmentation	Translational Andrology and Urology	6		S488	S490	1	10.21037/tau.2017.05.30
650	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Is National Institute of Clinical Excellence (NICE) guideline a nice guideline?	Translational Andrology and Urology	6		S615	S617	1	10.21037/tau.2017.05.21
651	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation: Laboratory and clinical aspects	Translational Andrology and Urology	6		S675	S677	1	10.21037/tau.2017.05.20
652	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Restoration of fertility potential via targeted treatment approach	Translational Andrology and Urology	6		S493	S494	1	10.21037/tau.2017.05.29
653	2017	Esteves S.C., Majzoub A., Agarwal A.	The importance of quality control and quality assurance in SDF testing	Translational Andrology and Urology	6		S604	S606	1	10.21037/tau.2017.05.03
654	2017	Cho C.-L., Agarwal A., Majzoub A., Esteves S.C.	Sperm DNA fragmentation testing reveals the overall quality of a semen sample	Translational Andrology and Urology	6		S513	S515	1	10.21037/tau.2017.06.22
655	2017	Majzoub A., Agarwal A., Esteves S.C.	Sperm DNA fragmentation: A rationale for its clinical utility	Translational Andrology and Urology	6		S455	S456	1	10.21037/tau.2017.03.63
656	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	From bench to clinic	Translational Andrology and Urology	6		S471	S472	1	10.21037/tau.2017.04.23
657	2017	Majzoub A., Agarwal A., Esteves S.C.	Elucidating the clinical indications of sperm DNA fragmentation in male infertility	Translational Andrology and Urology	6		S658	S660	1	10.21037/tau.2017.03.24
658	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	Sperm DNA fragmentation testing is the safe and economical way to go	Translational Andrology and Urology	6		S446	S447	1	10.21037/tau.2017.03.94
659	2017	Agarwal A., Cho C.-L., Majzoub A., Esteves S.C.	The missing piece in management of infertile couple-clinical andrology	Translational Andrology and Urology	6		S481	S483	1	10.21037/tau.2017.05.10
660	2017	Esteves S.C., Majzoub A., Agarwal A.	More good than harm should be expected when Testi-ICSI is applied to oligozoospermic men with post-testicular sperm DNA fragmentation	Translational Andrology and Urology	6		S381	S384	1	10.21037/tau.2017.03.22
661	2017	Magdi Y., Darwish E., Elbashir S., Majzoub A., Agarwal A.	Effect of modifiable lifestyle factors and antioxidant treatment on semen parameters of men with severe oligoasthenoatozoospermia	Andrologia	49	7			1	10.1111/and.12694

662	2017	Esteves S.C., Agarwal A., Sharma R., Harlev A.	Reply to Eugenio Ventimiglia, Montorsi Francesco, and Andrea Salonia's Letter to the Editor re: Reecha Sharma, Avi Harlev, Ashok Agarwal, Sandro C. Esteves. Cigarette Smoking and Semen Quality: A New Meta-analysis Examining the Effect of the 2010 World Health Organization Laboratory Methods for the Examination of Human Semen. Eur Urol 2016;70:635-45	European Urology	71	1	e21	e22	1	10.1016/j.eururo.2016.05.045
663	2017	Gupta S., Sharma R., Agarwal A.	Inter-and Intra-Laboratory Standardization of TUNEL Assay for Assessment of Sperm DNA Fragmentation	Current protocols in toxicology	74		16.11.1	16.11.22		10.1002/cptx.37
664	2017	Agarwal A., Cho C.-L.	Clinical andrology: The missing jigsaw pieces	Indian Journal of Urology	33	3	186	187		10.4103/iju.IJU_172_17
665	2017	Khurana K., Sabanegh E., Jr., Agarwal A.	Male evaluation for infertility	Standard Operational Procedures in Reproductive Medicine: Laboratory and Clinical Practice			122	123		10.1201/9781315270975
666	2017	Ahmad G., Agarwal A.	Pathological effects of elevated reactive oxygen species on sperm function	Reactive Oxygen Species in Biology and Human Health			409	420		10.1201/b20228
667	2018	Darbandi M., Darbandi S., Agarwal A., Sengupta P., Durairajanayagam D., Henkel R., Sadeghi M.R.	Reactive oxygen species and male reproductive hormones	Reproductive Biology and Endocrinology	16	1			23	10.1186/s12958-018-0406-2
668	2018	Majzoub A., Agarwal A.	Systematic review of antioxidant types and doses in male infertility: Benefits on semen parameters, advanced sperm function, assisted reproduction and live-birth rate	Arab Journal of Urology	16	1	113	124	17	10.1016/j.aju.2017.11.013
669	2018	Cho C.-L., Agarwal A.	Role of sperm DNA fragmentation in male factor infertility: A systematic review	Arab Journal of Urology	16	1	21	34	17	10.1016/j.aju.2017.11.002
670	2018	Bui A.D., Sharma R., Henkel R., Agarwal A.	Reactive oxygen species impact on sperm DNA and its role in male infertility	Andrologia	50	8			16	10.1111/and.13012
671	2018	Samanta L., Parida R., Dias T.R., Agarwal A.	The enigmatic seminal plasma: A proteomics insight from ejaculation to fertilization	Reproductive Biology and Endocrinology	16	1			14	10.1186/s12958-018-0358-6
672	2018	Busetto G.M., Agarwal A., Virmani A., Antonini G., Ragonesi G., Del Giudice F., Micic S., Gentile V., De Berardinis E.	Effect of metabolic and antioxidant supplementation on sperm parameters in oligo-astheno-teratozoospermia, with and without varicocele: A double-blind placebo-controlled study	Andrologia	50	3			13	10.1111/and.12927
673	2018	Sengupta P., Agarwal A., Pogrebetskaya M., Roychoudhury S., Durairajanayagam D., Henkel R.	Role of Withania somnifera (Ashwagandha) in the management of male infertility	Reproductive BioMedicine Online	36	3	311	326	12	10.1016/j.rbmo.2017.11.007
674	2018	Hezavehei M., Sharafi M., Kouchesfahani H.M., Henkel R., Agarwal A., Esmaili V., Shahverdi A.	Sperm cryopreservation: A review on current molecular cryobiology and advanced approaches	Reproductive BioMedicine Online	37	3	327	339	11	10.1016/j.rbmo.2018.05.012
675	2018	Panner Selvam M.K., Agarwal A.	A systematic review on sperm DNA fragmentation in male factor infertility: Laboratory assessment	Arab Journal of Urology	16	1	65	76	11	10.1016/j.aju.2017.12.001
676	2018	Agarwal A., Panner Selvam M.K., Sharma R., Master K., Sharma A., Gupta S., Henkel R.	Home sperm testing device versus laboratory sperm quality analyzer: comparison of motile sperm concentration	Fertility and Sterility	110	7	1277	1284	10	10.1016/j.fertnstert.2018.08.049
677	2018	Intasqui P., Agarwal A., Sharma R., Samanta L., Bertolla R.P.	Towards the identification of reliable sperm biomarkers for male infertility: A sperm proteomic approach	Andrologia	50	3			10	10.1111/and.12919

678	2018	Agarwal A., Rana M., Qiu E., AlBunni H., Bui A.D., Henkel R.	Role of oxidative stress, infection and inflammation in male infertility	Andrologia	50	11			9	10.1111/and.13126
679	2018	Samanta L., Agarwal A., Swain N., Sharma R., Gopalan B., Esteves S.C., Durairajanayagam D., Sabanegh E.	Proteomic Signatures of Sperm Mitochondria in Varicocele: Clinical Use as Biomarkers of Varicocele Associated Infertility	Journal of Urology	200	2	414	422	9	10.1016/j.juro.2018.03.009
680	2018	Mostafa R.M., Nasrallah Y.S., Hassan M.M., Farrag A.F., Majzoub A., Agarwal A.	The effect of cigarette smoking on human seminal parameters, sperm chromatin structure and condensation	Andrologia	50	3			8	10.1111/and.12910
681	2018	Kesari K.K., Agarwal A., Henkel R.	Radiations and male fertility	Reproductive biology and endocrinology : RB&E	16	1	118		7	10.1186/s12958-018-0431-1
682	2018	Majzoub A., Arafa M., Mahdi M., Agarwal A., Al Said S., Al-Emadi I., El Ansari W., Alattar A., Al Rumaihi K., Elbardisi H.	Oxidation–reduction potential and sperm DNA fragmentation, and their associations with sperm morphological anomalies amongst fertile and infertile men	Arab Journal of Urology	16	1	87	95	7	10.1016/j.aju.2017.11.014
683	2018	Panner Selvam M.K., Agarwal A.	Update on the proteomics of male infertility: A systematic review	Arab Journal of Urology	16	1	103	112	7	10.1016/j.aju.2017.11.016
684	2018	Arafa M., Agarwal A., Al Said S., Majzoub A., Sharma R., Bjugstad K.B., AlRumaihi K., Elbardisi H.	Semen quality and infertility status can be identified through measures of oxidation–reduction potential	Andrologia	50	2			7	10.1111/and.12881
685	2018	Panner Selvam M.K., Agarwal A., Sharma R., Samanta L.	Treatment of semen samples with α -chymotrypsin alters the expression pattern of sperm functional proteins—a pilot study	Andrology	6	2	345	350	6	10.1111/andr.12466
686	2018	Gunes S., Agarwal A., Henkel R., Mahmutoglu A.M., Sharma R., Esteves S.C., Aljowair A., Emirzeoglu D., Alkhani A., Pelegrini L., Joumah A., Sabanegh E.	Association between promoter methylation of MLH1 and MSH2 and reactive oxygen species in oligozoospermic men—A pilot study	Andrologia	50	3			5	10.1111/and.12903
687	2018	Agarwal A., Sengupta P., Durairajanayagam D.	Role of L-carnitine in female infertility	Reproductive Biology and Endocrinology	16	1			5	10.1186/s12958-018-0323-4
688	2018	Agarwal A., Henkel R., Sharma R., Tadros N.N., Sabanegh E.	Determination of seminal oxidation–reduction potential (ORP) as an easy and cost-effective clinical marker of male infertility	Andrologia	50	3			4	10.1111/and.12914
689	2018	Agarwal A., Qiu E., Sharma R.	Laboratory assessment of oxidative stress in semen	Arab Journal of Urology	16	1	77	86	3	10.1016/j.aju.2017.11.008
690	2018	Vij S.C., Sabanegh E., Jr., Agarwal A.	Biological therapy for non-obstructive azoospermia	Expert Opinion on Biological Therapy	18	1	19	23	3	10.1080/14712598.2018.1380622
691	2018	Roychoudhury S., Maldonado-Rosas I., Agarwal A., Esteves S.C., Henkel R., Sharma R.	Human sperm handling in intracytoplasmic sperm injection processes: In vitro studies on mouse oocyte activation, embryo development competence and sperm oxidation–reduction potential	Andrologia	50	4			2	10.1111/and.12943
692	2018	Panner Selvam M.K., Henkel R., Sharma R., Agarwal A.	Calibration of redox potential in sperm wash media and evaluation of oxidation–reduction potential values in various assisted reproductive technology culture media using MiOXSYS system	Andrology	6	2	293	300	2	10.1111/andr.12461
693	2018	Agarwal A., Sharma R., Henkel R., Roychoudhury S., Sikka S.C., du Plessis S., Sarda Y.B., Speyer C., Nouh M., Douglas C., Kayali Z., Elshaer A., Sabanegh E.	Cumene hydroperoxide induced changes in oxidation–reduction potential in fresh and frozen seminal ejaculates	Andrologia	50	1			2	10.1111/and.12796
694	2018	Ayaz A., Agarwal A., Sharma R., Kothandaraman N., Cakar Z., Sikka S.	Proteomic analysis of sperm proteins in infertile men with high levels of reactive oxygen species	Andrologia	50	6			1	10.1111/and.13015
695	2018	Cui Z., Agarwal A., da Silva B.F., Sharma R., Sabanegh E.	Evaluation of seminal plasma proteomics and relevance of FSH in identification of nonobstructive azoospermia: A preliminary study	Andrologia	50	5			1	10.1111/and.12999

696	2018	Zedan H., Ismail S., Gomaa A., Saleh R., Henkel R., Agarwal A.	Evaluation of reference values of standard semen parameters in fertile Egyptian men	Andrologia	50	4			1	10.1111/and.12942
697	2018	Ahmad B., Shrivastava V.K., Saleh R., Henkel R., Agarwal A.	Protective effects of saffron against zearalenone-induced alterations in reproductive hormones in female mice (<i>Mus musculus</i>)	Clinical and Experimental Reproductive Medicine	45	4	163	169	1	10.5653/cerm.2018.45.4.163
698	2018	Darbandi M., Darbandi S., Agarwal A., Henkle R., Sadeghi M.R.	The effects of exposure to low frequency electromagnetic fields on male fertility	Alternative Therapies in Health and Medicine	24	4	24	29		
699	2018	Agarwal A., Majzoub A., Arafa M., Elbardisi H.	Arab J Urol	Arab Journal of Urology	16	1	1	2		10.1016/j.aju.2018.01.001
700	2018	Agarwal A., Durairajanayagam D.	Antioxidant therapy in assisted reproductive technologies	Nutritional Antioxidant Therapies: Treatments and Perspectives			137	158		10.1007/978-3-319-67625-8_6
701	2019	Darbandi M., Darbandi S., Agarwal A., Baskaran S., Dutta S., Sengupta P., Khorram Khorshid H.R., Esteves S., Gilany K., Hedayati M., Nobakht F., Akhondi M.M., Lakpour N., Sadeghi M.R.	Reactive oxygen species-induced alterations in H19-Igf2 methylation patterns, seminal plasma metabolites, and semen quality	Journal of Assisted Reproduction and Genetics	36	2	241	253	5	10.1007/s10815-018-1350-y
702	2019	Henkel R., Sandhu I.S., Agarwal A.	The excessive use of antioxidant therapy: A possible cause of male infertility?	Andrologia	51	1			4	10.1111/and.13162
703	2019	Bertoncelli Tanaka M., Agarwal A., Esteves S.C.	Paternal age and assisted reproductive technology: Problem solver or trouble maker?	Panminerva Medica	61	2	138	151	4	10.23736/S0031-0808.18.03512-7
704	2019	Micic S., Lalic N., Djordjevic D., Bojanic N., Bogavac-Stanojevic N., Busetto G.M., Virmani A., Agarwal A.	Double-blind, randomised, placebo-controlled trial on the effect of L-carnitine and L-acetylcarnitine on sperm parameters in men with idiopathic oligoasthenozoospermia	Andrologia	51	6			3	10.1111/and.13267
705	2019	Dutta S., Majzoub A., Agarwal A.	Oxidative stress and sperm function: A systematic review on evaluation and management	Arab Journal of Urology	17	2	87	97	3	10.1080/2090598X.2019.1599624
706	2019	Imterat M., Agarwal A., Esteves S.C., Meyer J., Harlev A.	Impact of Body Mass Index on female fertility and ART outcomes	Panminerva Medica			58	67	3	10.23736/S0031-0808.18.03490-0
707	2019	García-Rodríguez A., Gosálvez J., Agarwal A., Roy R., Johnston S.	DNA damage and repair in human reproductive cells	International Journal of Molecular Sciences	20	1			3	10.3390/ijms20010031
708	2019	Panner Selvam M.K., Agarwal A., Pushparaj P.N.	A quantitative global proteomics approach to understanding the functional pathways dysregulated in the spermatozoa of asthenozoospermic testicular cancer patients	Andrology	7	4	454	462	2	10.1111/andr.12620
709	2019	Agarwal A., Selvam M.K.P., Baskaran S., Cho C.-L.	Sperm DNA damage and its impact on male reproductive health: A critical review for clinicians, reproductive professionals and researchers	Expert Review of Molecular Diagnostics	19	6	443	457	2	10.1080/14737159.2019.1614916
710	2019	Darbandi M., Darbandi S., Agarwal A., Baskaran S., Sengupta P., Dutta S., Mokarram P., Saliminejad K., Sadeghi M.R.	Oxidative stress-induced alterations in seminal plasma antioxidants: Is there any association with keap1 gene methylation in human spermatozoa?	Andrologia	51	1			2	10.1111/and.13159
711	2019	Vij S.C., Panner Selvam M.K., Agarwal A.	Smartphone-based home screening tests for male infertility	Panminerva Medica	61	2	104	107	2	10.23736/S0031-0808.18.03533-4
712	2019	Martins A.D., Agarwal A.	Oxidation reduction potential: A new biomarker of Male infertility	Panminerva Medica	61	2	108	117	2	10.23736/S0031-0808.18.03529-2
713	2019	Majzoub A., Agarwal A., Esteves S.C.	Clinical utility of sperm DNA damage in male infertility	Panminerva Medica	61	2	118	127	2	10.23736/S0031-0808.18.03530-9
714	2019	Cho C.-L., Esteves S.C., Agarwal A.	Indications and outcomes of varicocele repair	Panminerva Medica	61	2	152	163	2	10.23736/S0031-0808.18.03528-0

715	2019	Dias T.R., Samanta L., Agarwal A., Pushparaj P.N., Selvam M.K.P., Sharma R.	Proteomic signatures reveal differences in stress response, antioxidant defense and proteasomal activity in fertile men with high seminal ROS levels	International Journal of Molecular Sciences	20	1			2	10.3390/ijms20010203
716	2019	Agarwal A., Henkel R., Huang C.-C., Lee M.-S.	Automation of human semen analysis using a novel artificial intelligence optical microscopic technology	Andrologia	51	11			1	10.1111/and.13440
717	2019	Baskaran S., Agarwal A., Panner Selvam M.K., Henkel R., Durairajanayagam D., Leisegang K., Majzoub A., Singh D., Khalafalla K.	Is there plagiarism in the most influential publications in the field of andrology?	Andrologia	51	10			1	10.1111/and.13405
718	2019	Sharma R., Gupta S., Henkel R., Agarwal A.	Critical evaluation of two models of flow cytometers for the assessment of sperm DNA fragmentation: an appeal for performance verification	Asian journal of andrology	21	5	438	444	1	10.4103/aja.aja_109_18
719	2019	Selvam M.K.P., Agarwal A., Pushparaj P.N., Baskaran S., Bendou H.	Sperm proteome analysis and identification of fertility-associated biomarkers in unexplained male infertility	Genes	10	7			1	10.3390/genes10070522
720	2019	Arafa M., Henkel R., Agarwal A., Majzoub A., Elbardisi H.	Correlation of oxidation–reduction potential with hormones, semen parameters and testicular volume	Andrologia	51	5			1	10.1111/and.13258
721	2019	Panner Selvam M.K., Agarwal A., Dias T.R., Martins A.D., Baskaran S., Samanta L.	Molecular Pathways Associated with Sperm Biofunction Are Not Affected by the Presence of Round Cell and Leukocyte Proteins in Human Sperm Proteome	Journal of Proteome Research	18	3	1191	1197	1	10.1021/acs.jproteome.8b00829
722	2019	Selvam M.K.P., Agarwal A., Dias T.R., Martins A.D., Samanta L.	Presence of round cells proteins do not interfere with identification of human sperm proteins from frozen semen samples by LC-MS/MS	International Journal of Molecular Sciences	20	2			1	10.3390/ijms20020314
723	2019	Panner Selvam M., Agarwal A., Baskaran S.	Proteomic analysis of seminal plasma from bilateral varicocele patients indicates an oxidative state and increased inflammatory response	Asian Journal of Andrology	21	6	544	550		10.4103/aja.aja_121_18
724	2019	Agarwal A., Panner Selvam M., Arafa M., Okada H., Homa S., Killeen A., Balaban B., Saleh R., Armagan A., Roychoudhury S., Sikka S.	Multi-center evaluation of oxidation-reduction potential by the MiOXSYS in males with abnormal semen	Asian Journal of Andrology	21	6	565	569		10.4103/aja.aja_5_19
725	2019	Hassanen E., Elqusi K., Zaki H., Henkel R., Agarwal A.	TUNEL assay: Establishing a sperm DNA fragmentation cut-off value for Egyptian infertile men	Andrologia	51	10				10.1111/and.13375
726	2019	Leisegang K., Henkel R., Agarwal A.	Obesity and metabolic syndrome associated with systemic inflammation and the impact on the male reproductive system	American Journal of Reproductive Immunology	82	5				10.1111/aji.13178
727	2019	Agarwal A., Selvam M.K.P., Samanta L., Vij S.C., Parekh N., Sabanegh E., Tadros N.N., Arafa M., Sharma R.	Effect of antioxidant supplementation on the sperm proteome of idiopathic infertile men	Antioxidants	8	10				10.3390/antiox8100488
728	2019	Samanta L., Sharma R., Cui Z., Agarwal A.	Proteomic analysis reveals dysregulated cell signaling in ejaculated spermatozoa from infertile men	Asian Journal of Andrology	21	2	121	130		10.4103/aja.aja_56_18
729	2019	Esteves S.C., Humaidan P., Roque M., Agarwal A.	Female infertility and assisted reproductive technology	Panminerva Medica			1	2		10.23736/S0031-0808.18.03553-X
730	2019	Humaidan P., Esteves S.C., Roque M., Agarwal A.	Hot topics in female infertility: An afterword	Panminerva Medica			97	99		10.23736/S0031-0808.18.03554-1
731	2019	Fesahat F., Henkel R., Agarwal A.	Globozoospermia syndrome: An update	Andrologia						10.1111/and.13459
732	2019	Baskaran S., Panner Selvam M.K., Agarwal A.	Exosomes of male reproduction	Advances in Clinical Chemistry						10.1016/bs.acc.2019.08.004
733	2019	Panner Selvam M.K., Agarwal A., Dias T.R., Martins A.D., Baskaran S., Samanta L.	Round cells do not contaminate or mask human sperm proteome in proteomic studies using cryopreserved samples	Andrologia	51	8				10.1111/and.13325
734	2019	Panner Selvam M.K., Baskaran S., Agarwal A.	Proteomics of reproduction: Prospects and perspectives	Advances in Clinical Chemistry	92		217	243		10.1016/bs.acc.2019.04.005

735	2019	Esteves S.C., Agarwal A., Roque M., Humaidan P.	Hot topics in male infertility: An afterword	Panminerva Medica	61	2	196	199		10.23736/S0031-0808.18.03587-5
736	2019	Agarwal A., Esteves S.C., Humaidan P., Roque M.	Male infertility and assisted reproductive technology	Panminerva Medica	61	2	101	103		10.23736/S0031-0808.18.03586-3
737	2019	Selvam M.K.P., Agarwal A., Pushparaj P.N.	Altered molecular pathways in the proteome of cryopreserved sperm in testicular cancer patients before treatment	International Journal of Molecular Sciences	20	3				10.3390/ijms20030677