



CENTER for REPRODUCTIVE MEDICINE
Glickman Urological and Kidney Institute and
Obstetrics – Gynecology and Women’s Health Institute



ART Teaching and Training Schedule

Duration: August 1 – 30, 2008

Locations: TT3 (Cleveland Clinic), A81 Gynecology

Week 1: 8/1 – 8/8	Lectures				
4/1: Orientation – CCF International Department Working hours: 9am – 5pm Lunch break: 12:30 – 1:30pm ART Training: Betty John, MD (Times: 9-11 and 2-4:30) <ul style="list-style-type: none"> • ICSI: Intracytoplasmic sperm injection • Classical IVF • Oocyte handling • Embryo handling • Embryo scoring • Embryo loading • Assisted hatching (chemical) • Embryo biopsy • ICSI with HOS test • Cell spreading • Fixation techniques • Embryo cryopreservation 	Date/ Time	Speaker	Title	Location	
	August 1 st	Appointment for Orientation			
	August 1 st 2.00pm	Ashok Agarwal, PhD./ Rakesh Sharma, PhD/ Sajal Gupta, MD	Welcome and Introduction to Reproductive Research at Cleveland Clinic: Rakesh Sharma, Ph.D. and Sajal Gupta, MD	TT03-06	
	August 1 st 3.00pm	Manjula Gupta, PhD	Endocrine Investigation of Gonadal Function	TT3-06	
	August 4 th 9.00am	Ahmed Ragheb, MD	Medical Management of Male Infertility: Evidence Based Medicine	TT03-06	
	August 4 th 3:30pm	Rakesh Sharma, PhD	Understanding Spermatogenesis	TT3-0	
	August 5 th 9.00am	Sajal Gupta, MD	Female Infertility – Incidence, Etiology and Guidelines for Management	TT3-06	
	August 5 th 10.00am	Reda Mahfouz, MD	Overview of Viability Testing	TT03-06	
	August 5 th 11.00am	Jeffrey Goldberg MD	Tubal surgery vs. IVF	A8-800	
	August 5 th 1.00pm	Tommaso Falcone, MD	Book Chapter in Female Infertility: Seminar	A8-800	

<p>(mouse embryos)</p> <ul style="list-style-type: none"> Vitrification <p>Andrology Module: NP, SS and LP</p>			<i>Clinical Reproductive Medicine and Surgery</i> <i>Editors: Hurd & Falcone, 2007</i>		
	August 6 th 8.00am	Reda Mahfouz, MD	Computer Aided Semen Analysis and Sperm Kinematics	TT03-06	
	August 6 th 9.00am	Sajal Gupta, MD	Sperm morphology evaluation WHO and Strict criteria	TT03-06	
	August 6 th 9.00am	Manjula Gupta, PhD	Lab Cases: Curves and Sinkers	TT03-06	
	August 6 th 4.00 pm	Adi Mehta, MD	Clinical and Metabolic Features of Polycystic Ovarian Syndrome	TT03-06	
	August 7 th 9.00am	Rakesh Sharma, PhD	Sperm Preparation techniques for ART	TT03-06	
	August 7 th 12:00pm	Sajal Gupta, MD	Ovarian Reserve Tests	TT3-06	
	August 8 th 8.00am	Edmund Sabanegh, MD	Male Evaluation - A Guidelines Based and Practical Approach	TT3-06	
	August 8 th 9:00am	ART candidate	Controlled Ovarian Stimulation for Poor Responders: New Options Presentation	TT3-06	
	August 8 th 9.00am	Reda Mahfouz, MD	Sperm cryopreservation	TT03-06	
	August 8 th 12:30pm	Luncheon with Dr. Agarwal and other RRC Staff		Founders Room	
	August 8 th 3:00pm	Kelly Athayde	How to Set up an IVF Laboratory: Equipments and Design	TT3-06	
	August 8 th 4.00pm	Ashok Agarwal, PhD	Quality Control for Andrology Laboratory	TT03-06	
	<p>Week 2: 8/11– 4/15</p> <p>ART Training: Lakshmi Prasuna, MD (Times: 9-11 and 2-4:30), Clinical rotation in Human IVF Lab (Times 8-4): Betty John and Nilofar Poonawala</p> <ul style="list-style-type: none"> ICSI: Intracytoplasmic sperm injection Classical IVF Oocyte handling 	August 11 th 8:00am	Ragheb Ahmed, MD	Obstructive Azoospermia	TT3-06
		August 12 th 9.00am	Amr Kader, MD	Oocyte Vitrification: Practical Demonstration	TT3-06
August 12 th 4.00 pm		Kelly Athayde, MT, MS	Setting up IVF lab: Air quality Management	TT3-06	
August 13 th 4.00pm		Amr Kader, MD	Optimization of Embryo Culture Media: An Update	TT03-06	

<ul style="list-style-type: none"> Embryo handling Embryo scoring Embryo loading Assisted hatching (chemical) Embryo biopsy ICSI with HOS test Cell spreading Fixation techniques Embryo cryopreservation (mouse embryos) Vitrification 	August 14 th 4.00pm	Kelly Athayde, MT, MS	Benchmarks for Quality Management in an ART Laboratory	TT03-06
	August 15 th 8.00am	ART Trainee	Clinical Aspects of Assisted Reproduction Technologies	
	August 15 th , 12:30pm	Luncheon with Dr. Agarwal and other RRC Staff		Founders Room
Week 3: 8/18 –8/22 ART Training: Niofar Poonawala (Times: 9-11 and 2-4:30) Clinical rotation in Human IVF Lab (Times 8-4): Lakshmi Prasuna and Sunitha, MD <ul style="list-style-type: none"> ICSI: Intracytoplasmic sperm injection Classical IVF Oocyte handling Embryo handling Embryo scoring Embryo loading Assisted hatching (chemical) Embryo biopsy ICSI with HOS test Cell spreading Fixation techniques Embryo cryopreservation (mouse embryos) Vitrification 	August 18 th 9.00am	Ahmed Ragheb	Surgical Techniques for Sperm Retrieval	TT03-06
	August 19 th 9.00am	Courtenay Moore, MD	Female Sexual Dysfunction	TT03-06
	August 19 th 2.00pm	Amr Kader, MD	Oocyte Vitrification: Practical Demonstration	TT3-06
	August 20 th 9.00am	Sajal Gupta, MD	Intrauterine Insemination	TT03-06
	August 21 st 9.00am	Rakesh Sharma, PhD	Role of Oxidative Stress in Assisted Reproduction: Evidence Based Medicine	TT03-06
	August 22 nd 8.00am	ART Trainee	Role of Ultrasound in ART: latest Update	TT03-06
	August 22 nd 11:30am	Ashok Agarwal, PhD	Fertility Preservation in Men with Cancer	TT03-06
	August 22 nd 4.00pm	Rakesh Sharma, PhD	Lab Demonstration: TUNEL test for Sperm DNA Damage	TT3-06
	Week 4: 4/25-4/29 ART training: Sunitha (Times: 9-11 and 2-4:30) Andrology Module: LP, BJ and NP	August 25 th 7:00 am	Linda Bradley, MD	Operative & Diagnostic Hysteroscopy
August 25 th 9:30 am		Ragheb Ahmed, MD	Diagnosis and Management of Varicocele: Evidence Based Medicine	TT03-06
August 25 th 4:00 pm		Sajal Gupta, MD	Role of OS in Female Infertility and ART	TT3-06

August 26 th 8:00am	Reda Mahfouz	MACS Demonstration	TT03-06
August 26 th 11.00am	Jeffrey Goldberg, MD	Recurrent Pregnancy Loss	TT03-06
August 26 th 3.00pm	Sajal Gupta, MD	Sperm Morphology Evaluation: WHO and Strict criteria	TT03-06
August 26 th 4:00pm	ART Trainee	ICSI: Current and Future Perspectives	TT03-06
August 27 th 8:30am	Amr Kader, MD	Oocyte and Embryo Vitrification: latest results and update from CRM	TT3-06
August 27 th 2:00pm	Ragheb Ahmed, MD	Surgical Management of Male Infertility: Evidence Based Medicine	TT03-06
August 27 th 3.00pm	Kelly Athayde, MT MS	Sperm Antibody Detection	TT03-06
August 28 th 7.00am	Marjan Attaran, MD	Ovarian Hyperstimulation Syndrome	TT03-06
August 29 th 7.30am	Dr Sabanegh, MD	Obstructive Azoospermia	TT03-06
August 29 th 8.00am	Dean Morbeck, PhD	Quality Management in the IVF Laboratory	TT03-06
August 29 th 9.00am	Dean Morbeck, PhD	Demonstration ART techniques	TT03-06
August 29 th 8.00 am	Dean Morbeck PhD	Importance of Air Quality in the ART Lab.	TT03-06
August 29 th 9.00am	Dean Morbeck PhD	Demonstration ART techniques	TT03-06
August 29 th 4:30pm	Trainee and Course Evaluation Farewell Luncheon and Award of Certificates		TT3-06

Course Director: Dr. Ashok Agarwal

Kelly Athayde, MT, MS, ART Training Supervisor, Main campus
Alex Varghese, Ph.D., ART Training Faculty

Course Faculty (Cleveland Clinic):

Tommaso Falcone, M.D, Chairman, Ob/Gyn and Women's Health Institute
Jeffrey Goldberg, Staff, MD, Ob/Gyn and Women's Health Institute
Marjan Attaran, MD, Staff, Ob/Gyn and Women's Health Institute
Linda Bradley, MD, Staff, Ob/Gyn and Women's Health Institute
Gita Gidwani, MD, Staff, Ob/Gyn and Women's Health Institute
Edmund Sabanegh, MD, Head, Center for Male Infertility, Glickman Urological and Kidney Institute
Adi Mehta, MD, Staff, Department of Endocrinology

June 11th, 2008

Manjula Gupta, Ph.D, Staff, Department of Clinical Pathology
Ahmed Ragheb, MD, Glickman Urological Institute
Rakesh Sharma, Ph.D., Center for Reproductive Medicine
Sajal Gupta, MD, Center for Reproductive Medicine
Reda Mahfouz, MD, Center for Reproductive Medicine
Hussein Abdelrazik, MD, Center for Reproductive Medicine
Amr Kader, MD, Reproductive Research Center
Kelly Athayde, MT, MS, Andrology Laboratory
Anitra Patrick, MT, Andrology Laboratory
Debbie Garlak, MT, Andrology Laboratory
Deb Smith, Andrology Laboratory

Invited Faculty

Dean Morbeck, PhD

Indian Speakers:

E Lakshmi Prasuna, MD

Betty John, MD

Sunitha Soundarapandian, MD

Nilofar A.Poonawala, MD