American Center for Reproductive Medicine

Alumni
Research Fellows • Summer Interns • ART Trainees
Get To Know Our Center

The American Center for Reproductive Medicine is a research program of the Glickman Urological and Kidney Institute of the Cleveland Clinic. Established in 1993, the Center is dedicated to cutting-edge, disease-oriented translational research and to the education of physicians and scientists. Our Center is rated as a leading center of excellence at the world-class Cleveland Clinic and the Department of Urology reigns in its ranking as either No. 1 or 2 Urology program in the nation by U.S. News & World Report.

The American Center for Reproductive Medicine enjoys an international reputation for excellence and innovation in human reproduction and male infertility research and is dedicated to disseminating its results. Research papers from the Center’s staff are selected regularly for publication in distinguished medical journals. The Center’s website has been ranked No. 1 for research in reproductive medicine and andrology since 2001 by Google and other top search engines, attracting close to 974,877 visitors to date. Dr. Agarwal’s research group has produced the largest number of peer-reviewed, high-impact male infertility/andrology research articles in the world\(^1\).

Over the past 24 years, more than 1,000 physicians, scientists, biologists and medical/pre-med students from over 50 countries worldwide have received their research and ART training at the American Center for Reproductive Medicine.

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Ashok Agarwal, PhD, HCLD (ABB), EMB (ACE) | Professor and Director

Ashok Agarwal is the Director of Research at the American Center for Reproductive Medicine and the Director of the Andrology Center. He holds these positions at Cleveland Clinic, where he is a Professor at the Lerner College of Medicine of Case Western Reserve University and, since 1993, Senior Staff in the Glickman Urological and Kidney Institute. Dr. Agarwal did his post-doctorate training in Reproductive Biology under a fellowship from The Rockefeller Foundation at Harvard Medical School in Boston, Massachusetts. He was an Instructor in Surgery and then an Assistant Professor of Urology at Harvard Medical School from 1988 to 1992. Dr. Agarwal was appointed in 1993 by the Cleveland Clinic Foundation, Ohio, as the Head of the Clinical Andrology Center, which over the years under his leadership, has become a center of excellence for the diagnosis of male infertility and fertility preservation of men with oncological conditions in the United States. He is board certified as a Clinical Laboratory Director in Andrology by the American Board of Bioanalysis and serves as an Inspector for the College of American Pathologists “Reproductive Laboratory Program” for accreditation of Andrology & IVF Laboratories.

Dr. Agarwal’s h-index is 103 (Google Scholar) and 72 Web of Science and 79 on Scopus respectively, while his citation count is nearly 40,057 on Google Scholar as of Oct. ’16. His RG score is 52.47 on 1,727 publications (750 articles, 30 books, 150 chapters and 750 conference papers). Dr. Agarwal is ranked as the #1 Author in Andrology/Male Infertility and ART-related research, based on a Global Ranking of Authors in Andrology or Male Infertility report employing exhaustive searches of the Scopus database. Dr. Agarwal received the 2011 and 2012 Innovator Award for the development of “Remote Sperm Banking Kits” from the Cleveland Clinic Innovations. He was thrice-awarded the Scholarship in Teaching Award in 2011, 2013 and 2014 by the Case Western Reserve University Medical School in recognition of his innovative Summer Internship Course in Reproductive Medicine, which has been held annually since 2008. Dr. Agarwal was recognized by a second Scholarship in Teaching Award in 2013 and 2014 for his distinctive Hands on Training Program in Advanced Reproductive Techniques, which has been conducted yearly since 2003. Dr. Agarwal’s current research interests are identifying biological markers of oxidative stress, DNA damage and apoptosis using proteomic research tools and bioinformatics analysis as well as preserving fertility in patients with cancer. He is actively involved in laboratory and clinical studies assessing the efficacy of certain antioxidants in improving the fertility of male patients.


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Google Scholar

Citation indices All Since 2011

Citations 42,264 25,995

h-index 107 81

i10-index 548 446

Citations per year

Search results from Dec.'16

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Original Article

COUNTRIES

Spain

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MISSION

The American Center for Reproductive Medicine enjoys an international reputation for excellence and innovation in human reproduction, infertility and sexual function. Our research fellowship, ART training and summer mentorship opportunities represent one of the largest and most comprehensive academic programs of its kind in the United States.

Conduct cutting-edge research into the causes of human reproductive and sexual disorders, leading to the development of new treatments and cures, as well as training of physicians and scientists to advance the understanding of human reproduction, infertility and sexual function.

Mentor and train each research fellow, trainee and summer intern using an individualized approach, to develop technical expertise and the ability to work independently.

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History, Mission and Vision

HISTORY

The American Center for Reproductive Medicine was founded in 1993 as the research program of the Glickman Urological & Kidney Institute, Cleveland Clinic. Our research fellowship, ART training and summer mentorship opportunities represent one of the largest and most comprehensive academic programs of its kind in the United States.

MISSION

Conduct cutting-edge research into the causes of human reproductive and sexual disorders, leading to the development of new treatments and cures, as well as training of physicians and scientists to advance the understanding of human reproduction, infertility and sexual function.

VISION

Mentor and train each research fellow, trainee and summer intern using an individualized approach, to develop technical expertise and the ability to work independently.

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Meet the Director

Ashok Agarwal, PhD, HCLD (ABB), EMB (ACE) | Professor and Director

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Tools

- Main page
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- Printable version
- Upload file
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- Help
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References


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Education

- Lerner College of Medicine of Case Western Reserve University
- Professor at the Cleveland Clinic
- Senior Staff in the Glickman Urological and Kidney Institute
- Since 1993

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Professional Life

- Director of Research at the American Center for Reproductive Medicine
- Director of the Andrology Center
- Adjunct Professor at Tulane University, New Orleans, LA
- Professor and Director, Center for Reproductive Medicine, Cleveland Clinic
- United States of America
- Tel: +1.216.444.9485

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Original Article

COUNTRIES

Spain

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Subject Areas: Life Sciences

Keywords: Search Field:

- Scopus
- PubMed
- Google Scholar
- ResearchGate

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Citation Indices

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Number of Publications

- Citations
- h-index
- i10-index

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Citations per Year

- 2000
- 2005
- 2010
- 2015

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Distribution of Citations by Year

- 2000
- 2005
- 2010
- 2015

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i10-index

- Total
- All Since 2011

---

h-index

- Total
- All Since 2011

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Total views

- 70.9%
- 2014
- 2005

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View history

- Edit
- Read

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1 2 3 4 5 6 7 8 9 10
Research Fellows
Our Research Fellowship and training opportunities represent one of the most active, state-of-the-art and comprehensive programs in human reproduction and infertility in the United States.

Our Fellows gain priceless research experience under the strong mentorship of world-renowned experts in reproductive medicine and biology at our Center in the Cleveland Clinic.
Research Fellowship in Human Reproduction and Male Infertility

Our Research Fellowship and training opportunities represent one of the most active, state-of-the-art and comprehensive programs in human reproduction and infertility in the United States.

Our Fellows gain priceless research experience under the strong mentorship of world-renowned experts in reproductive medicine and biology at our Center in the Cleveland Clinic.

Our Mission

Our unique and methodical mentorship approach develops the researchers into independent and dynamic scientists of the highest caliber.

Who We Are

Ashok Agarwal, PhD
Professor, Lerner College of Medicine
Director, American Center for Reproductive Medicine
Director, Andrology Center Department of Urology
Cleveland Clinic

Rakesh Sharma, PhD
Associate Professor, Department of Urology
Research Coordinator
American Center for Reproductive Medicine
Cleveland Clinic

Sajal Gupta, MD
Assistant Professor, Department of Urology
Assistant Research Coordinator
American Center for Reproductive Medicine
Cleveland Clinic

Edmund Sabanegh, MD
Chairman, Department of Urology
Head, Section of Male Infertility
Professor, Lerner College of Medicine
Our Research Fellows will

- Receive personalized mentoring by well-known experts in Reproductive Research
- Receive intensive hands-on training to master various basic and advanced research skills
- Learn the basics of Good Laboratory Practices
- Learn how to conduct a thorough literature review/critical analysis of published research
- Develop superior communication and presentation skills
- Participate actively in cutting-edge reproductive research
- Develop a strong foundation in human reproduction, assisted reproduction and infertility
- Learn the process of developing a novel scientific research idea
- Learn the techniques of writing a scientific bench research proposal
- Master the art of writing high quality scientific articles
- Publish research findings in top-tier scientific journals
- Learn the fundamentals of research involving human subjects
- Learn the basics of data management and biostatistical analysis
- Learn to be an independent, confident and resourceful researcher

Research & Training Methods

- Personal mentorship approach with daily supervision
- Practical demonstration and hands-on training in laboratory techniques
- Weekly research meetings for project planning and development
- On-site and online courses on various research procedures
- Training in literature review strategies and tools
- Training in writing of scientific articles for publication
- Lectures and presentations
- Journal Club and group discussions

Develop Valuable Research Skills

- Scientific integrity and accountability
- Professionalism and leadership
- Discipline and time management
- Motivation and self-direction
- Team work and collaboration
- Creativity and innovation
- Organization and methodical planning
- Effective interpersonal communication
- Critical thinking and judgement
- Problem solving and trouble shooting

During their Fellowship year at ACRM, our Research Fellows receive value added opportunities to participate in and...

- Serve as a Mentor/Advisor during the Summer Mentorship program in Reproductive Medicine held annually in June and July. Go to http://www.clevelandclinic.org/reproductiveresearchcenter/summmain.html to read more about our Mentorship Program.

- Receive systematic and comprehensive hands-on ART Training completely free of charge during the Advanced Reproductive Techniques course held annually in Sept and Oct. Fellows who successfully complete their ART Training will receive a Certificate. Go to http://www.clevelandclinic.org/reproductiveresearchcenter/artmain.html to read more about our ART Training Program.
The American Center for Reproductive Medicine has collaborative relationships with many highly esteemed scientists and clinicians from over 18 countries around the world. Some of our renowned collaborators include:

**Collaborating Research Alumni**

- **Muhammad Abu-Elmagd, PhD**
  Jeddah, Saudi Arabia
- **Mohamed Arafa, MD, PhD**
  Doha, Qatar
- **Mourad Assidi, PhD**
  Jeddah, Saudi Arabia
- **Nabil Aziz, FRCOG, MD**
  Liverpool, United Kingdom
- **Ricardo Bertolla**
  Sao Paulo, Brazil
- **Chak Lam Cho**
  Hong Kong
- **Rima Dada, MD, PhD**
  New Delhi, India

- **Damayanthi Durairajanayagam, PhD**
  Kuala Lumpur, Malaysia
- **Haitham Elbardisi, MD**
  Doha, Qatar
- **Sandro Esteves, MD, PhD**
  Campinas, Brazil
- **Jaime Gosálvez, PhD**
  Madrid, Spain
- **Sezgin Gunes, PhD**
  Spokane, Washington
- **Avraham Harlev, MD**
  Beer Sheva, Israel
- **Ralf Henkel, MD**
  Belville, South Africa

- **Sheryl Homa, PhD**
  London, United Kingdom
- **Dolores Lamb, PhD**
  Houston, Texas
- **Ahmad Majzoub, MD**
  Doha, Qatar
- **Walter Cardona Maya, PhD**
  Medellin, Colombia
- **Barbara Helm, PhD**
  Heidelberg, Germany
- **Peter Nagy, MD, PhD**
  Atlanta, Georgia
- **Sijo Parekkattil, MD**
  Clermont, Florida

- **Botros Rizk, MD, PhD**
  Mobile, Alabama
- **Ramadan Abdou Saleh, MD**
  Sohag, Egypt
- **Luna Samanta, PhD**
  Orissa, India
- **Reecha Sharma, MD, MS**
  Philadelphia, PA
- **Suresh C Sikka, PhD**
  New Orleans, Louisiana
- **Laura Sirot, PhD**
  Wooster, Ohio
- **Armand Zini, MD, FRCS(C)**
  Montreal, Canada

- **Tamer M Said, MD, PhD**
  Toronto, Canada
- **Sandro Esteves, MD, PhD**
  Campinas, Brazil
- **Alex Varghese, PhD**
  Kerala, India
- **Ramadan Abdou Saleh, MD**
  Sohag, Egypt
- **Arozia Moazzam, MD, PhD**
  Lahore, Pakistan
- **Alaa Hamada, MD**
  Boston, MA
- **Reecha Sharma, MD, MS**
  Philadelphia, PA
- **Saad Alshahran, MD**
  Al-Khuj, Saudi Arabia

- **Damayanthi Durairajanayagam, PhD**
  Kuala Lumpur, Malaysia
- **Cui Zhihong, MD**
  Chongqing, China
- **Eva Tvrda, PhD**
  Nitra, Slovak Republic
- **Ahmet Ayaz, PhD**
  Istanbul, Turkey
- **Avraham Harlev, MD**
  Beer Sheva, Israel
- **Sezgin Gunes, PhD**
  Samson, Turkey
- **Luna Samanta, PhD**
  Orissa, India

To read more about our collaborators, please visit:
[http://www.clevelandclinic.org/reproductivecenter/collab.html](http://www.clevelandclinic.org/reproductivecenter/collab.html)
American Center for Reproductive Medicine
Research Alumni 1993 - 2016
Summer Interns

2008

2009

2010

2011

2012

2013

2014

2015

2016
The American Center for Reproductive Medicine (ACRM) is a part of the Glickman Urological and Kidney Institute of the Cleveland Clinic. The Department of Urology is ranked as the No. 2 Urology program in the nation by U.S. News & World Report. The American Center for Reproductive Medicine enjoys an international reputation for excellence and innovation in cutting edge research in human infertility. It is being ranked as #1 Research Program in the world due to the largest number of peer reviewed high quality publications, citations and international collaboration. Research papers from the Center staff are selected regularly for publication in distinguished medical journals. The Center’s website has been ranked No. 1 for research in reproductive medicine and andrology since 2001 by all top five international search engines, including Google, Bing, Yahoo! and Ask.com. It has attracted over 968,000 visitors from all over the world.

More than 1,000 physicians and scientists from more than 55 countries have received their training at the American Center for Reproductive Medicine during the past 24 years. Nearly 200 students in majors ranging from biology to English to the musical arts have participated in summer internships at our Center.

Gain priceless research experience under the guidance of world-renowned experts in reproductive medicine, male fertility, and women’s health at the Cleveland Clinic

Faculty

Program Director

Coordinators

Consultants

Ashok Agarwal, PhD
Professor, Lerner College of Medicine
Director, American Center for Reproductive Medicine
Director, Andrology Center
Department of Urology
Cleveland Clinic

Rakesh Sharma, PhD
Associate Professor, Department of Urology
Research Coordinator
American Center for Reproductive Medicine
Cleveland Clinic

Sajal Gupta, MD
Assistant Professor, Department of Urology
Co-Director, Cleveland Clinic Reproductive Medicine Center

Sijo Parekkattil, MD
Co-Director of Personalized Urology and Robotics Clinic
South Lake Hospital and Orlando-Health
Clermont, Florida

Botrus Rizk, MD
Professor of Ob-Gyn
Reprod Endocrinol & Infertility
University of South Alabama
Mobile, Alabama

For additional information on internship staff, please visit our faculty page.

For more information, please contact

Cleveland Clinic
American Center for Reproductive Medicine
Mail Code X-11
10681 Carnegie Avenue
Cleveland, OH 44195, US
Phone: 216.444.9485
Fax: 216.445.6049
Email: crm@ccf.org

To learn more about our Summer Internship Course, including program faculty, internship syllabus, daily schedule, complete project listing, internship awards, pictures of interns’ presentations, reception banquet, multimedia feedback, and accommodation options, please visit our 2016 Summer Mentorship webpage.
Cleveland Clinic American Center for Reproductive Medicine
Summer Internship

Annual Summer Mentorship Course in “Reproductive Medicine and Research”

The Cleveland Clinic’s American Center Center for Reproductive Medicine gives you a unique opportunity to:

- **Receive** mentoring by world-renowned faculty in medicine and health sciences
- **Participate** in meaningful, real-time bench research experience
- **Engage** in intensive training in scientific writing
- **Publish** research articles in prestigious medical journals
- **Listen** to captivating lectures delivered by a team of reputed scientists and physicians

**Faculty**

**Program Director**

Ashok Agarwal, PhD
Professor, Lerner College of Medicine
Director, American Center for Reproductive Medicine
Director, Andrology Center
Department of Urology
Cleveland Clinic

Rakesh Sharma, PhD
Associate Professor, Department of Urology
Research Coordinator, American Center for Reproductive Medicine
Cleveland Clinic

Sajal Gupta, MD
Assistant Professor, Department of Urology
Assistant Research Coordinator, American Center for Reproductive Medicine
Cleveland Clinic

Sijo Parekattil, MD
Co-Director of Personalized Urology and Robotics Clinic
South Lake Hospital and Orlando Health
Clermont, Florida

Botros Rizk, MD
Professor of Ob-Gyn
Reprod Endocrinol & Infertility
University of South Alabama
Mobile, Alabama
Program Goals and Benefits

The American Center for Reproductive Medicine at Cleveland Clinic offers a unique and exciting summer internship opportunity for highly motivated, academically oriented medical or undergraduate students interested in a career in medicine.

The center provides an excellent environment to conduct translational research in reproductive medicine. This unsurpassed experience gives participants the opportunity to:

- Immense themselves in a state-of-art research environment
- Train in the art and science of conducting original bench research
- Be mentored by renowned researchers at a world-class medical institution
- Develop a strong foundation for pursuing a career in academic medicine

The program’s goal is to encourage students to consider a career in medicine, whether in reproductive medicine or any other specialty of their choosing. To this end, we have designed an exceptional summer internship program to provide students a wide range of experiences.

Additional Benefits of Internship

A unique aspect of this internship is the emphasis placed by the program on cultivating soft skills and imbibing professionalism in all participants. Skills honed during the internship include:

- leadership
- volunteerism
- time management
- effective communication
- public speaking and presentation skills

These skills and abilities are highly valued and have a prolonged impact on participants, especially as they pursue their goals and develop careers.

The intangible mix of skills nurtured during our internship sets our interns distinctly apart from their peers and empowers them to:

- be highly competitive in their interviews for medical school, residency or jobs
- perform better at public speaking opportunities
- be stronger candidates when being considered for work positions

Get to Know Our Internship Program


To read Testimonials from our Interns, http://www.clevelandclinic.org/reproductiveresearchcenter/testimonials1.html.

To learn about the Awards received by our past Interns, http://www.clevelandclinic.org/reproductiveresearchcenter/miscs/syl_5_Certificates_and_Awards_2016.pdf.


To view the Photo Gallery of our Summer Internship program, https://www.flickr.com/photos/reproductiveresearchcenter/sets/72157671331128872.
American Center for Reproductive Medicine
Summer Interns Alumni 2008 - 2016

Armenia • Australia • Bahrain • Brazil • Canada • Egypt • India • Kuwait • Lebanon • Netherland Antilles • Pakistan • Poland • Qatar • Saudi Arabia • Turkey • United Kingdom • USA