



## CENTER FOR REPRODUCTIVE MEDICINE

Glickman Urological and Kidney Institute and Ob/ Gyn and Women's Health Institute



### ART Teaching and Training Schedule

**Duration:** April 1 – 30, 2008

**Locations:** TT3 (Cleveland Clinic), A81 Gynecology

<p><b>Week 1: 4/1 – 4/4</b></p> <p><b>4/1: Orientation – CCF International Department: Sajal</b></p> <p><b>Working hours:</b> 9am – 5pm</p> <p><b>Lunch break:</b> 12:30 – 1:30pm</p> <p><b>ART Training:</b> from 2<sup>nd</sup> April, Surveen Ghumman Sindhu, MD (Times: 9-11 and 2-4:30)</p> <ul style="list-style-type: none"> <li>• ICSI: Intracytoplasmic sperm injection</li> <li>• Classical IVF</li> <li>• Oocyte handling</li> <li>• Embryo handling</li> <li>• Embryo scoring</li> <li>• Embryo loading</li> <li>• Assisted hatching (chemical)</li> <li>• Embryo biopsy</li> <li>• ICSI with HOS test</li> <li>• Cell spreading</li> <li>• Fixation techniques</li> <li>• Embryo cryopreservation</li> </ul>	<b>Lectures</b>			
	<b>Date/Time</b>	<b>Speaker</b>	<b>Title</b>	<b>Location</b>
	April 1 <sup>st</sup>	<b>Appointment for Orientation</b>		
	April 1 <sup>st</sup> 11.30am	<b>Manjula Gupta, PhD</b>	<b>Endocrine Investigation of Gonadal Function</b>	TT3-06
	April 1 <sup>st</sup> 2pm	<b>Kelly Athayde, MT, MS</b>	<b>How to Set up an IVF Laboratory: Equipments and Design</b>	TT3-06
	April 2 <sup>nd</sup> 9.00am	<b>Ahmed Ragheb, MD</b>	<b>Medical Management of Male Infertility: Evidence Based Medicine</b>	TT03-06
	April 2 <sup>nd</sup> 10:30 am	<b>Rakesh Sharma, PhD/ Reda Mahfouz, MD</b>	<b>Lab Demonstration: Sperm Selection Techniques for ART</b>	TT3-06
	April 2 <sup>nd</sup> 4.00pm	<b>Alex Varghese, PhD</b>	<b>Selection Methods for Gametes and Embryos in ART: Latest Results</b>	TT03-06
	April 3 <sup>rd</sup> 10:30am	<b>Gita Gidwani, MD</b>	<b>Mullerian Congenital Anomalies; Diagnosis and Management</b>	TT03-06
	April 3 <sup>rd</sup> 3.00pm	<b>Rakesh Sharma, PhD</b>	<b>Understanding Spermatogenesis</b>	TT03-06
	April 4 <sup>th</sup> 8:00am	<b>Edmund Sabanegh, MD</b>	<b>Implications of Ageing on Male and Female Reproduction</b>	TT3-06
	April 4 <sup>th</sup>			Founders

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(mouse embryos) • Vitrification	12:30pm	<b>Luncheon with Dr. Agarwal and other RRC Staff</b>		Room
	April 4 <sup>th</sup> 4:00pm	<b>Alex Varghese, PhD</b>	<b>Setting up IVF lab: Air quality Management</b>	TT3-06
	April 7 <sup>th</sup> 10:30 am	<b>Reda Mahfouz, MD/ Hussein Abdelrazik, MD</b>	<b>Lab Demonstration: Semen Analysis and WBC Detection</b>	TT3-06
	April 7 <sup>th</sup> 4:00 pm	<b>Sajal Gupta, MD</b>	<b>Intrauterine Insemination</b>	TT3-06
	April 8 <sup>th</sup> 8:00am	<b>Adi Mehta, MD</b>	<b>Practice Patterns among Reproductive Endocrinologists: the Male Infertility Evaluation</b>	TT03-06
	April 8 <sup>th</sup> 4.00pm	<b>Manjula Gupta, PhD</b>	<b>Lab Cases: Curves and Sinkers</b>	TT03-06
	April 9 <sup>th</sup> 7.00am- 8.00am	<b>Amy Cronister, MS</b> Associate Director, Genetic Services, Genzyme Genetics	<b>GYN Grand Rounds: Broadening Our Perspective on Fragile X: Premature Ovarian Failure and Other Reproductive Issues</b>	NA5-04
	April 9 <sup>th</sup> 8.00 am	<b>Ahmed Ragheb, MD</b>	<b>Surgical Techniques for Sperm Retrieval: Latest update</b>	TT03-06
	April 9 <sup>th</sup> 4.00pm	<b>ART Trainee</b>	<b>Controlled Ovarian Stimulation for Poor Responders: New Options</b>	TT3-06
	April 10 <sup>th</sup> 7.00 am - 8.30am	<b>Linda Bradley, MD</b>	<b>Diagnostic Hysteroscopy</b>	TT03-06
	April 10 <sup>th</sup> 12:30pm	<b>Luncheon with Dr. Agarwal and other RRC Staff</b>		Founders Room
	April 10 <sup>th</sup> 4:00pm	<b>Kelly Athayde, MT, MS</b>	<b>Benchmarks for Quality Management in an ART Laboratory</b>	TT3-06
	April 11 <sup>th</sup>	<b>Ashok Agarwal, PhD./ Rakesh Sharma, PhD/ Sajal Gupta, MD</b>	<b>Welcome and Introduction to Reproductive Research at Cleveland Clinic: Rakesh Sharma, Ph.D. and Sajal Gupta, MD</b>	TT03-06
	April 11 <sup>th</sup> 9:00am	<b>ART Trainee</b>	<b>Superovulation Strategies in Poor Responders: Latest Options</b>	TT3-06
	April 11 <sup>th</sup> 3.30pm	<b>Sajal Gupta, MD</b>	<b>Female Infertility – Incidence, Etiology and Guidelines for</b>	TT03-06

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			<b>Management</b>		
<b>Week 3: 4/14 –4/18</b> <b>Clinical rotation in Human IVF Lab (Times 8-4):</b> <b>Amit Gupta, MD/ Surveen Ghuman, MD</b> <b>ART Training:</b> Madhuma Shilahar, MD Kiran Bijlani, MD  <ul style="list-style-type: none"> <li>• ICSI: Intracytoplasmic sperm injection</li> <li>• Classical IVF</li> <li>• Oocyte handling</li> <li>• Embryo handling</li> <li>• Embryo scoring</li> <li>• Embryo loading</li> <li>• Assisted hatching (chemical)</li> <li>• Embryo biopsy</li> <li>• ICSI with HOS test</li> <li>• Cell spreading</li> <li>• Fixation techniques</li> <li>• Embryo cryopreservation (mouse embryos)</li> <li>• Vitrification</li> </ul>					
	April 14 <sup>th</sup> 9:00am	<b>Alex Varghese, PhD</b>	<b>Current and Future Perspectives on ICSI: a Critical Commentary</b>	TT03-06	
	April 15 <sup>th</sup> 8.30am	<b>Amr Kader, MD</b>	<b>Oocyte/Embryo Vitrification: The Latest Results</b>	TT03-06	
	April 15 <sup>th</sup> 3:30pm	<b>Nisarg Desai, MD</b>	<b>Cell Phone Radiation and Impact on Male Fertility: Evidence Based Medicine</b>	TT03-06	
	April 16 <sup>th</sup> 7.00-8.00am	<b>Mark Phippen, Senior Clinical Educator, Covidien Energy-based Devices</b>	<b>GYN Grand Rounds: The Art and Science of Electrosurgery: Principles, Applications and Risks</b>	NA5-04	
	April 16 <sup>th</sup> 8:30am	<b>ART Trainee</b>	<b>Superovulation Strategies for Assisted Reproduction</b>	TT03-06	
	April 16 <sup>th</sup> 9:00am	<b>Alex Varghese, PhD</b>	<b>Cryopreservation of Oocytes and Embryos: Latest Review</b>	TT03-06	
	April 17 <sup>th</sup> 8:30am	<b>Amr Kader, MD</b>	<b>Women with Cancer-Ovarian tissue Freezing, Embryo Freezing and Oocyte Donation</b>	TT3-06	
	April 17 <sup>th</sup> 4:00 pm	<b>ART Trainee</b>	<b>Role of Ultrasound in ART</b>	TT3-06	
	April 17 <sup>th</sup> 12:30pm	<b>Luncheon with Dr. Agarwal and other RRC Staff</b>		Founders Room	
	April 18 <sup>th</sup> 8:30 am	<b>Hussein Abdelrazik, MD</b>	<b>Sperm DNA Damage and male infertility: evidence based medicine</b>	TT3-06	
	April 18 <sup>th</sup> 4.30pm	<b>Sajal Gupta, MD</b>	<b>Role of Oxidative Stress in Female Infertility and ART</b>	TT03-06	
	<b>Week 4: 4/21-4/25</b> <b>Clinical rotation in Human IVF Lab (Time 8-4):</b> <b>Madhuma Shilahar, MD/ Kiran Bijlani, MD</b>	April 21 <sup>st</sup> 8:30 am	<b>Dan French, MD</b>	<b>Diagnosis and Management of Varicocele: Evidence Based Medicine</b>	TT03-06
		April 21 <sup>st</sup> 4:00pm	<b>Hussein Abdelrazik, MD</b>	<b>Optimization of Embryo Culture Media: An Update</b>	TT3-06
April 21 <sup>st</sup> 5:00 pm		<b>Sajal Gupta, MD</b>	<b>Ovarian Reserve Tests</b>	TT3-06	

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April 22 <sup>nd</sup> 8:30am	<b>Alex Varghese, PhD</b>	<b>Embryo Culture Systems: an Update</b>	TT03-06
April 22 <sup>nd</sup> 12:00pm	<b>Tommaso Falcone, MD</b>	<b>Book Chapter in Female Infertility: Seminar</b> <i>Clinical Reproductive Medicine and Surgery Editors: Hurd &amp; Falcone, 2007</i>	A8-800
April 22 <sup>nd</sup> 4:00pm	<b>ART Trainee</b>	<b>Superovulation Strategies for Assisted Reproduction</b>	TT03-06
April 23 <sup>rd</sup> 8:30am	<b>Amr Kader, MD</b>	<b>Patient Selection for ART</b>	TT3-06
April 23 <sup>rd</sup> 4:00pm	<b>Dan French, MD</b>	<b>Management of Unexplained Male Infertility: Evidence Based Medicine</b>	TT03-06
April 24 <sup>th</sup> 7.00am	<b>Linda Bradley, MD</b>	<b>Operative Hysteroscopy</b>	TT03-06
April 24 <sup>th</sup> 8.00 am	<b>Adi Mehta, MD</b>	<b>Clinical and Metabolic Features of Polycystic Ovarian Syndrome</b>	TT03-06
April 24 <sup>th</sup> 11.00am	<b>Luncheon with Dr. Agarwal and other RRC Staff</b>		Founders Room
April 24 <sup>th</sup> 3:30pm	<b>Rakesh Sharma, PhD</b>	<b>Lab Demonstration: Sperm Cryopreservation</b>	TT03-06
April 25 <sup>th</sup> 7.00am	<b>Marjan Attaran, MD</b>	<b>Ovarian Hyperstimulation Syndrome</b>	TT03-06
April 25 <sup>th</sup> 12:00pm	<b>Courtenay Moore, MD</b>	<b>Female Sexual Dysfunction</b>	TT03-06
April 26 <sup>th</sup> 2.00pm	<b>Mohammad Bedaiwy, MD</b>	<b>Patient Selection for ART/ Ovulation Induction Protocols for ART</b>	TT03-06
April 29 <sup>th</sup> 9.00am	<b>Hussein Abdelrazik, MD</b>	<b>Lab Demonstration: TUNEL test for Sperm DNA Damage</b>	TT3-06
April 28 <sup>th</sup> 1.00pm	<b>Tommaso Falcone, MD</b>	<b>Laparoscopic Management of Endometriosis</b>	A8-800
April 28 <sup>th</sup> 6.30pm	<b>Dinner for Trainees and RRC Faculty</b>	<b>Restaurant: Bravo Cucina</b>  Eton Collection 28889 Chagrin Blvd. Woodmere, OH 44122 Phone: 216-360-0099	
April 29 <sup>th</sup> 9.00am	<b>Ahmed Ragheb, MD</b>	<b>Obstructive Azoospermia</b>	TT03-06

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	April 29 <sup>th</sup> 10.00am	<b>Amr Kader, MD</b>	<b>Oocyte/Embryo Vitrification Lab Demonstration</b>	TT03-06
	April 29 <sup>th</sup> 11.00 am	<b>Jeffrey Goldberg, MD</b>	<b>Recurrent Pregnancy Loss</b>	TT03-06
	April 29 <sup>th</sup> 2.00pm	<b>Ashok Agarwal, PhD</b>	<b>Update on Routine and Advanced Andrology Lab Techniques</b>	TT03-06
	April 30 <sup>th</sup> 7.00am- 8.00am	<b>Elliot Philipson, MD</b>	<b>Nutrition in Pregnancy (Grand Rounds)</b>	NA5-04
	April 30 <sup>th</sup> 12:30pm	<b>Trainee and Course Evaluation Farewell Luncheon and Award of Certificates</b>		TT3-06
	April 30 <sup>th</sup> 4.00pm	<b>Sajal Gupta, MD</b>	<b>Female Fertility Preservation Options in Women with Cancer</b>	TT03-06

**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  
Manjula Gupta, Ph.D, Staff, Department of Clinical Pathology  
Mohamed Bedaiwy, MD, Resident in Ob/Gyn, University Hospital, CWRU  
Dan French, MD, Glickman Urological Institute  
Ahmed Ragheb, MD, Glickman Urological Institute  
Rakesh Sharma, Ph.D., Reproductive Research Center  
Sajal Gupta, MD, Reproductive Research Center  
Reda Mahfouz, MD, Reproductive Research Center  
Hussein Abdelrazik, MD, Reproductive Research Center  
Amr Kader, MD, Reproductive Research Center  
Nisarg Desai, MD, Reproductive Research Center  
Alex Varghese, Ph.D., Reproductive Research Center  
Kelly Athayde, MT, MS, Andrology Laboratory  
Anitra Patrick, MT, Andrology Laboratory  
Debbie Garlak, MT, Andrology Laboratory  
Deb Smith, Andrology Laboratory

**Indian Speakers:**

Madhuma Shilohar, MD  
Amit Gupta, MD  
Surveen Ghuman, MD  
Kiran Bijlani, MD