



REPRODUCTIVE RESEARCH CENTER

Glickman Urological and Kidney Institute and Department of Obstetrics & Gynecology



ART Training and Teaching Schedule

Hullamani Malleshappa Puttappa, MD; Nirmala Agarwal, MD; Preethi Ann Abraham, MD (ART training candidates, Manipal)

Gita Khanna, MD (Lucknow, India), Pallavi Khanna, MD (Chennai, India), Neena Malhotra, MD (AIIMS, New Delhi, India)

Duration: May 1 - 31

Locations: TT3 (Cleveland Clinic) and Beachwood, Ohio

Week 1: 5/1 – 5/4	ART Training	Lectures			
		Date/ Time	Speaker	Title	Location
5/1: Orientation – CCF International Department: Sajal Working hours: 9am – 5pm Lunch break: 12:30 – 1:30pm	Introduction: Kelly Athayde, MT, MS	May 1st 8.00am	Jeffrey Goldberg, MD	Polycystic Ovaries and Assisted Conception (Grand round)	Fairview Hospital
	5/4:				
	10 – noon: Practical Session	May 1st 11am	Kelly Athayde, MT, MS	How to set up an IVF Laboratory: Equipments and Design	TT3-06
	IVF laboratory Indications and techniques Quality control	May 2nd 9:00am	Ashok Agarwal, Ph.D./Rakesh Sharma, Ph.D/ Sajal Gupta, MD	Welcome and Introduction to Cleveland Clinic: Dr. Agarwal An Overview of Reproductive Research at Cleveland Clinic	TT03-06
	Supplies & Culture Medium: Preparing culture media and dishes for IVF/ IVF-ICSI cases	May 2 nd 10.30am	Tommaso Falcone, MD	Book Chapter on Female infertility: seminar	TT03-06
Embryo culture Extended embryo culture					

	2 – 4pm: Micromanipulation Training: Dr. Puttapa May 2 -4 (8am – 3pm): Clinical IVF Rotation, Beachwood (Dr. Geeta Khanna and Pallavi Khanna)	05/02/2007 4:00pm	Reda Mahfouz, MD,	Lab Demonstration: Sperm Selection Techniques for ART	TT03-06
		May 3rd 7.30am	Linda Bradley, MD	Diagnostic Office Hysteroscopy	TT03-06
		May 3rd 9:30am	Deepinder, MD	Overview of the Male Reproductive System	TT03-06
		May 3 rd 10:30 am	Reda Mahfouz, MD	Lab Demonstration: ART Sperm Preparation Technique	TT3-06
		May 3 rd 4.00pm	Mohammad Bedaiwy, MD	Aromatase inhibitors for ovulation induction	TT03-06
		05/04/07 8:00am	Research Meeting	Research Update by Fellows	TT3-06
		05/04/07 10:30 am	Rakesh Sharma, Ph.D	Lab Demonstration: Semen Analysis and WBC Detection	TT3-06
		05/04/2007 9:30am	Sajal Gupta, MD	Oogenesis – A Basic Understanding of the Oocyte	TT03-06
		05/04/07 12:30pm	Luncheon with Dr. Agarwal and other staff		
05/04/2007 4:00pm	Edmund Sabanegh, MD	Male Evaluation- A Guidelines Based and Practical Approach	TT3-06		
Week 2: 5/7 – 5/11	10 – noon: IVF Techniques (Kelly) ICSI Classical IVF	05/07/2007 9:00am	Rakesh Sharma, Ph.D.	Understanding Spermatogenesis	TT3-06
		05/07/2007 9:30am	Kelly Athayde, MT, MS	IVF Laboratory QC: Equipments and Culture Media	TT3-06

<p>Oocyte handling Embryo handling Embryo scoring Embryo loading</p> <p>2 – 4pm: Training on micromanipulation: Dr. N. Agarwal</p>	05/07/07 3:30 pm	Neena Malhotra, MD	Intrauterine insemination	TT3-06
	05/08/2007 10:30am	Jeffrey Goldberg, MD	Medical and surgical management of endometriosis	TT03-06
	05/08/2007 3:30pm	HM Puttappa, MD	Evaluation of the Female Infertility Patient	TT03-06
	5/08/2007 4.00pm	Manjula Gupta, PhD	Endocrine Investigation of Gonadal Function	TT03-06
	05/09/2007 9:00am	Marajan Attaran, MD	Ovarian hyperstimulation syndrome	TT03-06
	05/09/2007 10:30 am	Hussein Abdelrazik, MD	Embryo cryopreservation	TT03-06
	05/09/2007 4.00pm	Mohammad Bedaiwy, MD	Follicular conditioning: from basic science to clinical practice	
	05/10/2007 9:00am	Sajal Gupta, MD	Female Infertility – Incidence And Etiology and Guidelines for Management	TT03-06
	05/10/07 12:30pm	Luncheon with Dr. Agarwal and other staff		Founders Room
	05/10/2007 3:30pm	Amr Kader, MD	Women with Cancer- Ovarian Tissue Freezing, Embryo Freezing, Oocyte Donation	TT03-06
	05/11/07 8:00am	Nirmala Agarwal, MD	Uterine and Tubal Factors Impacting IVF Outcome	TT3-06
	05/11/07 9:30 am	Pallavi Khanna, MD	Topic to be decided	TT3-06
	05/11/07 3:30pm	Edmund Sabanegh, MD	Sperm Retrieval for IVF/ICSI	TT03-06

Week 3: 5/14 – 5/18	No Hands on Training this week	05/14/2007 7.30am	Linda Bradley, MD	Operative Hysteroscopy (inclusive of management of fibroids, polyps and SIS)	A8-800	
		05/14/2007 9:30am	Preethi Ann Abraham, MD	ICSI: An Overview (indication, patient selection, outcome, risks)	TT03-06	
		05/14/2007 3.30pm	Sajal Gupta, MD	Role of Oxidative Stress in Female Infertility and ART	TT03-06	
		05/15/2007 7.30am	Marajan Attaran, MD	Repeated Implantation Failure: the Preferred Therapeutic Approach	TT03-06	
		05/15/2007 10.00am	Nirmala Agrawal, MD	Superovulation Strategies for Assisted Reproduction	TT03-06	
		05/15/07 12:30pm	Luncheon with Dr. Agarwal and other staff			Founders Room
		05/15/2007 3.00pm	Gihan Mansour, MD	Oxidative Stress and Sperm DNA Damage in Female Infertility	TT03-06	
		05/16/2007 7.00am-8.00am	Togas Tulandi, M.D., Professor, Ob/ Gyn, McGill	Grand Rounds: Ectopic pregnancy	NA 5-04 Lerner Building	
		5/16 – 5/18	Clinical Rotation in Beachwood Fertility Lab			
Week 4: 5/21- 5/25	Advanced ART Techniques (Kelly): Assisted hatching Embryo biopsy Embryo cryopreservation (Dr. Hussein) Blastocyst vitrification (Dr. Kader) Oocyte spindle (Dr. Mansour)	05/21/2007 9:30 am	Neena Malhotra, MD	To be decided	TT3-06	
		05/21/07 3:30 pm	Pallavi Khanna, MD	To be decided	TT3-06	
		05/22/07 10.30am	Jeffrey Goldberg, MD	Recurrent pregnancy loss: Tubal surgery vs. IVF	TT03-06	
		05/22/07 3.30pm	Tommaso Falcone, MD	Laparoscopic management of endometriosis.	TT03-06	

2 – 4pm: Training on micromanipulation: Dr. Abraham	05/22/07 10.00pm	Preethi Ann Abraham, MD	Role of Ultrasound in ART	TT03-06
	05/23/07 11:30am	Ashok Agarwal, PhD	Sperm Morphology: Learning How to Identify a Normal Sperm by WHO and Kruger's Strict Criteria	TT03-06
	05/23/07 12:30 pm	Luncheon with Dr. Agarwal and other staff		Founders Room
	05/24/07 11.00am	Amr Kadr, MD	Oocyte/Embryo Vitrification: The Latest Results	TT03-06
	05/25/07 8.00am	Adi Mehta, MD	Practice patterns among reproductive endocrinologists: the male infertility evaluation.	TT03-06
	05/25/07 10:00am	HM Puttappa, MD	PCOS and ART: Ovarian Hyperstimulation Syndrome	TT03-06
	05/28/07	Memorial Day Holiday		
Wrap up Week	05/29/07 8.00am	Adi Mehta, MD	Clinical and metabolic features of polycystic ovarian syndrome	TT03-06
	05/29/07 12.00pm	Manjula Gupta, PhD	Lab Cases: curves and sinkers	TT03-06
	05/29/07 1:30pm	Farewell Luncheon - Certificate Ceremony		
	05/30/07 4.00pm	Mohammad Bedaiwy, MD	Controlled ovarian stimulation for poor responders: new options	TT03-06

Course Director: Ashok Agarwal

Kelly Athayde: ART Training Supervisor, Main campus

Nina Desai, Ph.D: In charge, Clinical Rotation in Beachwood Fertility Lab

Course Faculty (Cleveland Clinic):

Tommaso Falcone, M.D, Chairman, Department of Ob/Gyn
Jeffrey Goldberg, MD, Department of Ob/Gyn
Marjan Attaran, MD, Department of Ob/Gyn
Linda Bradley, MD, Department of Ob/Gyn
Mohammad Bedaiwy, MD, Department of Ob/Gyn
Edmund Sabanegh, MD, Glickman Urological Institute
Adi Mehta, MD, Department of Endocrinology
Manjula Gupta, Ph.D., Department of Clinical Pathology
Rakesh Sharma, Ph.D., Reproductive Research Center
Kelly Athayde, MT, MS, Andrology Laboratory
Sajal Gupta, MD, Reproductive Research Center
Gihan Mansour, MD, Reproductive Research Center
Reda Mahfouz, MD, Reproductive Research Center
Amr Kader, MD, Reproductive Research Center
Deepinder, MD, Reproductive Research Center

Visiting Speakers:

Neena Malhota, MD
HM Puttappa, MD
Nirmala Agarwal, MD
Preethi Ann Abraham, MD
Pallavi Khanna