

2017-18 AOGS સંદર્ભ

Bring girls - Bring Girls
BULLETIN

**AMHEDABAD
OBSTETRICS AND
GYNAECOLOGICAL SOCIETY**

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We don't believe in compromise and we never do. We're a team that's all in.

Ammanabail - Rajahmundry - Srisaika - Madhupur

TEAM AOGS MESSAGE



Dr. Kewant Shart
President

Respected Seniors & Dear Colleagues,

ॐ नमो भगवते वासुदेवाय ।

AOGS team wishes a very Happy & Prosperous New Year for you & all our family members with lots & lots of joy & path breaking progress in every sphere of life. One gets health, strength, insight & happiness by exercise. Good health is greatest blessing & health means everything. So we just wish that only for all of us.

सर्वधर्म सर्वे तत्पराः ।
सर्वज्ञं सर्वं सर्वत्र । सर्वं सर्वानन्दम् ॥



Dr. Jigantk Dholakia
Gen. Secretary

Last month, we started working in our fantastically renovated AOGS office with say three partners. Our Newcomer Programme was a great hit with more than one thousand participants. It was a grand success only because of whole hearted support from all of you. Same is true for Critical Care Conference. Sometimes you do get an ever exciting & sublime experience when you learn many things, revise yourself on day to day Clinical practice & academics. Critical Care Conference offered that to every participant delegates. Around 800 delegates had three days of intense learning. Skill courses & workshops gave hands on exposure to every attendee clinician. Without any exaggeration, let us thank Dr. Algeesh Gandhi for all the hard work he has done to cater best of the Scientific material to all of us. He truly deserves the credit along with whole organizing team for grand academic success for Critical Care Conference.

Next month, We are going to get another academic Maha kumbh in form of imaging science conference another academic stalwart of our AOGS. Dr. Prashant Acharya is making all efforts to cater best of the scientific material related with Ultrasonography in August presence of galaxy of international speakers. Our humble request to all of us, don't miss this conference on 24th, 25th & 26th November Register yourself at the earliest.

We intend to organize annual SOGGS conference on 2nd, 4th & 7th January, 2016. We want to take SOGGS to newer heights of academic, only if its members & promote of academic excellence. Hope, the almighty God will help all of us to grant our noble wish. Seeking whole hearted support of all of you in this endeavor also.

Jay Ma...!!!

SARV DHARMA PRARTHANA DATE : 27.08.2017



CME : 9 : "LATEST UPDATES IN ASSISTED REPRODUCTIVE TECHNOLOGY" DATE : 06.09.2017



CME : 10 : PRETERM LABOUR - BEST PRACTICES IN PREDICTION, PREVENTION & TREATMENT DATE : 10.09.2017



CME : 11 : 11 - 13+6 Weeks Scan DATE : 17.09.2017



NAVRATRI MAHOTSAV 2017

DATE : 22.09.2017



**CME : 12 : Travelling Seminar on Ovulation Induction
& Luteal Support & National ISAR QUIZ DATE : 24.09.2017**



CRITICAL CARE 2017
DATE : 06-07-08.10.2017



Forthcomming programmes

CME : 13 - Rheumatology-Gynecology

Date : 29.10.2017 | Venue : Four Points by Sheraton, Opp. Gujarat College, Ahmedabad

Time	Topics	Speakers
09:00 am to 09:30 am	How Rheumatic disease (other than lupus) affect Pregnancy?	Dr. Beena Sharma
09:30 am to 10:00 am	DMARDs and Biologics in Pregnancy: Safe vs Unsafe options	Dr. Bhawezak Meghbrah
10:00 am to 10:30 am	Recurrent Pregnancy Loss: Approach to Immunological Lab Diagnosis	Dr. Puja Srivastava
10:30 am to 10:50 am	Tea Break	
10:50 am to 11:20 am	Immune Tolerance in Pregnancy	Dr. Anuj Shukla
11:20 am to 12:00 pm	Challenges in Lupus Pregnancy (case based discussion: minor organ, major organ, rsv and apla cases: 8 mins per case and 5 mins for intro and summary)	Dr. Ajayesh Dr. Alpans Dr. Ripul Shah
12:00 am to 12:15 pm	Preoperative management: patients on immunosuppressive treatment	Dr. Tarek Pankh
12:15 am to 12:30 pm	Should we change Contraceptive advices for patients with Rheumatic Diseases?	Dr. Piyush Jhiki
12:30 am to 01:00 pm	Open House Discussion+ Discussion on data sharing and collaboration (Like lupus pregnancy / APLA pregnancy registry etc)	
01:00 pm onwards	Lunch	

Programme Supported By : Shaiba Hospital

5th November, 2017

FOGSI - DKT CME on Contraception, MTP & LNG IUS Device : Gyan - Varsha

10th December, 2017

CME on Urogynecology with Urogynec committee of FOGSI
under guidance of Dr. Nita Thakre

Congratulations to Dr. Alpesh Gandhi

The Royal College of Obstetricians and Gynaecologists, London has awarded Dr. Alpesh Gandhi with the Honorary Fellowship of the college, FRCOG. This award acknowledges the highest level of dedication and achievement in the development of women's health care.

It is a proud honour for the Ahmedabad Obstetrics and gynaecological society. He has been instrumental in bringing awareness about and advancing the need of critical care in Obstetrics across India. He has been working hard for making facilities of critical care in Obstetrics available in several different places in India. He was invited as an expert and prepared the guideline for the Establishment of (Obstetric ICU/CCU) for the Government of India which was released by the Government in March 2015 and sent to all the states of India for its further implementation.

He has edited two volumes of a book on "Principles of Critical care in Obstetrics" a book on "Practical approach to critical care in obstetrics" and many other books.

Dr. Alpesh Gandhi will be contesting for the post of FOGSI President next year. It is our fervent appeal to all our dear AOGS

Members vote and Campaign for our own Dr. Alpesh Gandhi.

ISUDG Approved

International Conference on Ultra-Sound 2017

24 25 26 NOVEMBER 2017

www.ultrasound2017.com

WORKSHOP VENUE:

Smt. WIL Medical College, Dils Bridge, Ahmedabad

CONFERENCE VENUE:

Gujarat University Convocation & Exhibition Centre, Ahmedabad

Organized by: Approved by:



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Dr. Hemant Bhatt



Organizing Secretary
Dr. Jignesh Dalviwala



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SCIENTIFIC PROGRAM

2017 Summer
International Conference on
Ultra-Sound 2017
10-12 November 2017

Friday, 24th November, 2017 | Hall-A

Venue: Scot. Med. Medical College, 8/10 Bridge, Aberdeen

CNS WORKSHOP (LIVE DEMO)

TIME	TOPIC	TIME	TOPIC
09:00 - 10:00	Neurodevelopmental anatomy of fetal brain	11:00 - 11:30	Middle Cerebral and its clinical importance
10:00 - 10:30	Ultrasound protocol for CNS examination	11:30 - 11:45	Lunch
10:30 - 11:00	CNS examination - Normal	11:45 - 12:00	Posterior Fossa Cyst (MCD)
11:00 - 11:45	Break	12:00 - 12:30	Gray-matter bridges in CNS malformations and interventions
11:45 - 12:00	Spina examination - Normal	12:30 - 12:45	Neural Tube Defects
12:00 - 12:30	Cranial abnormalities and its defects	12:45 - 1:00	Open NTD Spinal Defects

Friday, 24th November, 2017 | Hall-B

Venue: Scot. Med. Medical College, 8/10 Bridge, Aberdeen

IOTA COURSE AND INFERTILITY WORKSHOP (LIVE DEMO)

TIME	TOPIC	TIME	TOPIC
IOTA CERTIFICATION COURSE		INFERTILITY WORKSHOP	
9:00 - 09:30	Terms and Definitions	14:00 - 14:20	Assessing Ovarian Reserve and Response with ultrasound
9:30 - 10:00	Single Rules and Triple Determiners	14:20 - 14:40	Understanding Follicular Dynamics
10:15 - 10:45	Three Stage Approach	14:40 - 15:00	Endometrial Behaviour Through the cycle
10:45 - 10:45	Discussion	15:00 - 15:30	Ultrasound guided interventions in infertility
10:45 - 11:15	Break	15:30 - 15:45	Discussion
11:15 - 11:30	AGN's Index	15:45 - 16:00	Break
11:30 - 12:00	Practical Session	16:00 - 16:30	Semenology
12:00 - 12:00	IOTA Certification Test	16:30 - 16:50	Fetal Evaluation
12:00 - 12:00	Lunch	16:50 - 17:00	Discussion

Friday, 24th November, 2017 | Hall-C

Venue: Scot. Med. Medical College, 8/10 Bridge, Aberdeen

FETAL ECHOCARDIOGRAPHY WORKSHOP (LIVE DEMO)

TIME	TOPIC	TIME	TOPIC
09:00 - 09:30	Techniques of fetal heart	12:30 - 12:45	Lunch
09:30 - 11:00	Normal cardiac anatomy with live session	14:15 - 15:00	Outflow tracts, PIV, SVT - Normal evaluation, anatomy and US-correlation
11:00 - 11:30	Break	15:00 - 15:45	Left atrial Outflow and venous system
11:30 - 12:00	Normal and Abnormal ICF heart	15:45 - 16:30	Diagnosis of fetal venous system Embryology and normal evaluation
12:00 - 12:30	Discussion		

SCIENTIFIC PROGRAM

Saturday, 25th November, 2017 | Hall-A

Venue: Royal Society Commission & Exhibition Centre, Royal Holloway Circle, Wimbledon

2017 Award
International Conference on
Ultra-Sound 2017
NOVEMBER 2017

TIME	TOPIC	TIME	TOPIC
09:00 - 11:00	SESSION 1 FRONTS AND BOUNDARIES	11:00 - 12:00	Viscous deformations of grains
09:00 - 09:30	Reconstruction - 2D/3D boundaries	12:00 - 12:30	Boundary reconnection
09:30 - 10:00	2D/3D defects before and after	12:30 - 12:45	Lunch
10:00 - 10:30	Planar flow mathematics	SESSION 4 DISLOCATIONS	
10:30 - 10:45	Abstracts on dislocations (AC, dislocations, DDD)	12:45 - 13:15	Dislocation POC
10:45 - 11:00	Dislocation after 2D mathematics	13:15 - 13:45	Dislocation in stressed conditions (AM, 3D flow models)
11:00 - 11:30	Break	13:45 - 14:15	Dislocation in solid microstructures
SESSION 2 PRACTICE ALGORITHMS		14:15 - 15:45	Dislocation in grains
11:30 - 12:00	Stress accommodation - 2D	15:45 - 16:00	Understanding basics of statistics
12:00 - 12:30	AM/3D/2D models	16:00 - 17:00	Practical discussion on using DislocSoft approximately
12:30 - 12:45	Abstracts on dislocations (AM, dislocations)		
12:45 - 13:00	3D/2D flow - viscous lamellar structures		

Saturday, 25th November, 2017 | Hall-B

Venue: Royal Society Commission & Exhibition Centre, Royal Holloway Circle, Wimbledon

TIME	TOPIC	TIME	TOPIC
09:00 - 09:30	09:15	14:00 - 14:30	Ultrastructural processes and reorganisation of the lamellar structure in grain growth
09:30 - 10:00	Microstructural pathologies and the influence of grain growth on mechanical properties: Topography and Polymorphism	14:30 - 15:00	Dislocation - How do the "grain growth" experiments
10:00 - 10:30	Critical integrals	15:00 - 15:30	Self-healing lamellae
10:30 - 10:45	Discussion	15:30 - 15:45	Break
10:45 - 11:00	Break	15:45 - 16:15	Flow-induced surface waves
11:00 - 11:30	Microstructural pathologies and MZG	16:15 - 16:45	New approaches in grain growth modeling
11:30 - 12:00	Grain Growth	16:45 - 17:15	Computer control systems in casting
12:00 - 12:30	Phase Transformation - a challenging problem	17:15 - 17:45	Discussion
12:30 - 13:00	Discussion		
13:00 - 13:30	Lunch		

Saturday, 25th November, 2017 | Hall-C

Venue: Royal Society Commission & Exhibition Centre, Royal Holloway Circle, Wimbledon

TIME	TOPIC	TIME	TOPIC
09:00 - 09:45	Introduction for Hall C	12:30 - 12:45	Ceramic flow
09:45 - 10:00	3D/2D simulation of total flow	12:45 - 13:15	Availability and funding variations
10:00 - 10:30	How and what will there be for the future?	13:15 - 13:30	Break
10:30 - 10:45	Material settings for finite element - 2D/3D		PRACTICE PROTOCOLS
10:45 - 11:00	Material settings for finite element - later work	13:30 - 13:45	Continuum
11:00 - 11:15	Break	13:45 - 13:55	3D/2D
11:15 - 12:00	How and in problems, when 3D/2D is used?	13:55 - 14:05	3D/2D
12:00 - 12:30	Advanced 3D/2D	14:05 - 14:15	3D/2D
12:30 - 12:45	Lunch	14:15 - 14:25	Through-thickness
12:45 - 13:15	Discussion on 3D/2D simulation		

SCIENTIFIC PROGRAM

2017 **International Conference on**
Ultra-Sound 2017
14-15 NOVEMBER 2017

Sunday, 26th November, 2017 | Hall-A

Women Support Pregnancy Consultation & Exhibition Centre, West Midlands Centre, Birmingham

TIME	TITLE	TIME	TITLE
08:00-09:00	WELCOME TO THE CONFERENCE	14:00-14:45	NTFS summary - Part of 2 - recent approach
09:00-09:30	Guided medical programme	14:45-15:00	Current target and its implications including pregnancy, twins, and multiple with variable chromosomies
09:30-10:00	First trimester in 40P	15:00-15:20	Presentations concerning - Is it worth to budget what you have for the job?
10:00-10:45	Midweek break: heavy work for participants	15:20-15:30	Break
10:45-11:00	Break	15:30-16:00	Non-invasive foetopy and its evolution
11:00-11:30	Discussion	16:00-16:30	Continuing learning for clinicians
11:30-11:45	Panel discussion - is this in 40P?	16:30-17:00	Placenta and its position
11:45-12:30	Lunch	17:00-17:45	Placental disorders - what next?
12:30-13:00	SESSION 2 HOW DO WE MEASURE STANDARDS TO FOLLOW? (CAN I EXPECT MY SMART?)	17:45-18:00	Low genetic evaluation - what for whom?
13:00-13:45	First trimester scan - sensitivity concerning		
13:45-14:30	NTS intensity concerning		

Sunday, 26th November, 2017 | Hall-B

Women Support Pregnancy Consultation & Exhibition Centre, West Midlands Centre, Birmingham

TIME	TITLE	TIME	TITLE
08:00-09:30	Guiding the Patient - 40P	13:00-13:00	Lunch
09:30-10:00	Special & the Difference (Significance of Acute Pre-eclampsia)	14:00-14:45	Urgent and its evolution - 40P & Pre-eclampsia - diagnosis, management
10:00-10:30	Prevention of Pre-eclampsia - 40P	14:45-15:00	2nd trimester continuing scan
10:30-10:45	Discussion	15:00-15:30	Abnormal NT with normal chromosomes - What next?
10:45-11:00	Break	15:30-16:00	MS-11248 topic - Current and next technologies
11:00-11:45	Cystic Assessment in 40P & 40P	16:00-16:15	Multi-weighted image (grey tone - 40P) - 40P
11:45-12:15	Discussion in Early pregnancy	16:15-16:30	Multi-weighted image (grey tone - 40P) - 40P
12:15-12:45	Anomalous cord insertion - continued evaluation	16:30-16:45	Multi-weighted image (grey tone - 40P) - 40P
12:45-13:00	Discussion		

Sunday, 26th November, 2017 | Hall-C

Women Support Pregnancy Consultation & Exhibition Centre, West Midlands Centre, Birmingham

TIME	TITLE	TIME	TITLE
08:00-08:30	Cardio-Function test - 40P		WELCOME TO THE CONFERENCE
08:30-09:00	Cardio-Function test - 40P	13:00-13:00	Lunch
09:00-09:45	NTS and 40P outcomes	13:00-13:45	Pre-eclampsia review
09:45-10:30	Anti-D Assessment	14:00-14:45	40P support in 40P
10:30-10:45	Break	14:45-15:15	Cardio-Function test
10:45-11:00	NTS and 40P outcomes	15:20-16:00	NTFS summary - 40P in 40P
11:00-11:15	Pulmonary assessment and 40P outcomes	16:00-16:30	Genetic evaluation in 40P
11:15-11:30	NTS and 40P outcomes	16:30-16:45	Pre-eclampsia in 40P support
11:30-11:45	Pre-eclampsia & assessment	16:45-17:15	Controlling and managing after diagnosis of cord defect
11:45-12:00	Cardio-Function test in 40P outcomes	17:15-18:00	Panel discussion - current state of fetal cardiac support
12:00-12:30	Lunch		

First trimester screening: Importance and tips

Ultrasound is a safe modality to investigate the fetus in all trimesters of pregnancy. Keeping in mind the 'BLANK' (As low as reasonably achievable) principle in mind, USG is an excellent investigation tool available to the obstetrician to help take decisions.

Ultrasound is done as soon as the patient comes with a probability of pregnancy (On the first visit, at any gestational age). Next scan is at 11-13 weeks (9 days NT scan), and the third scan between 18-22 weeks of gestation (T2TA scan). The last scan is usually done at the age of viability which differs for different countries, but is done around 32-34 weeks of gestation (Birth scan).

All scans which are undertaken are screening modalities in which all pregnant females are supposed to be screened. This is a common misconception that only high risk women need to be offered ultrasound.

The advantages of doing a first trimester screening

- 1) Earlier diagnosis can be made where if needed, termination is easier with less risk to mother.
- 2) The correct gestational age can be determined on the basis of CRL done, which is more predictive than the last menstrual period.
- 3) Clarity in first trimester is easier to assess which is the main prognosticating factor in multiple pregnancies.
- 4) Early screening with the help of uterine artery doppler along with other parameters have been shown to predict preeclampsia, which can be prevented in most (50%) cases with 150 mg aspirin at bedtime.

The 11 to 13 weeks (9 days) scan is also known as the Anomaly scan, but it is not only an anomaly scan but anatomy scan as well.

- (11-13 weeks) CRL > 60mm is usually a good time to do the scan as anatomy is much better seen. Transvaginal ultrasound is preferred for the anatomy, though NT & CRC are better seen with transabdominal probe.

Every woman has a risk of having a baby with anomaly. The risk changes with maternal age.

Ultrasound and biochemical (Double marker) markers are used to determine the risk of having such a baby.

When we use only biochemical markers, the sensitivity is around 60-65% with a false positive rate of 5%. Also, with different NT measurement, the risk will differ.

In other we use biochemical markers along for anomaly risk prediction, correct CRL measurement is of almost importance.



The sensitivity of maternal age along with markers is ultrasound (Nuchal translucency), Gest sac, Ductus venosus Doppler, and Tricouphal scaniform) is around 80% with a 5% false positive rate. It requires training and skill by the practitioner who does the ultrasound) to assess the markers correctly.

When maternal age, ultrasound markers (Biochemical) markers are used together, the sensitivity increases to 85% with a false positive rate of 3%.

So it is always better to combine ultrasound and biochemistry to be able to give a better prediction with a low false positive rate.

NIFT (Non invasive prenatal testing) is also a screening test with a much higher sensitivity and low false positive values. But if NIFT shows a high risk for anomaly, we have to carry out an invasive testing for the Karyotype for confirmation.

ISUOG (The international society of ultrasound in obstetrics & gynaecology) has recommended that screening that are to be done in the first trimester:

We can always detect the following defects by the end of the first trimester:

- Anencephaly
- Holoprosencephaly
- Body stalk anomaly
- Omphalocele
- Gastroschisis
- Meconycosis

These anomalies are potentially detectable:

- Cardiac abnormalities
- Skeletal dysplasias
- Limb amputations
- Open NTD'S
- Renal agenesis
- Facial clefts
- Diaphragmatic hernias

The following are undetectable in the first trimester:

- Agenesis of Corpus Callosum
- Ventriculomegaly
- Microcephaly
- Hydronephrosis
- Echogenic lung lesions
- Small bowel atresia
- Tumors

So many of the potentially lethal abnormalities can be detected in the first trimester but it cannot replace the second trimester anomaly scan.

In conclusion the first trimester is a good time to establish the fetus both in terms of anatomy and risk of aneuploidy. Tips for doing the first trimester ultrasound:

- 1) 12 to 13 weeks is the preferred gestational age to do the scan (CRL > 80mm)
- 2) Transvaginal sonography is preferred choice to see anatomy, uterine artery Doppler and cervical length.
- 3) For each of the aneuploidy markers, we need to follow the international guidelines/IMF criteria, which require a good learning curve.
- 4) Fetus specific risk prediction through software is a must after assessing the markers, otherwise the series remains in futile. Report of an NT scan should not be accepted or given if risk prediction has not been done.
- 5) Colour Doppler is very useful in assessment of heart in the first trimester.
- 6) Colour Doppler is also used to assess the uterine and fetal blood flow, identify (single vessel cord), identify fetal artery)
- 7) We can use surface rendering (3D/4D) to document nuchal lips or have suspicion towards a cleft.
- 8) All four limbs along with open hands are easier to see and document than in the second trimester.



Dr. Jyoti Desai | Dr. Ameer Shah

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DR. DIPAK LIMBACHIYA
M.D., F.R.C.G., F.R.C.S., F.R.C.S.(G), F.R.C.S.(GYN)
Specialist in Gynaecology, Uterine Cancer, Surgeries &
LAP (Gynec) Gynecology (Gynec)

EVA Hospital offers one step solution to all gynaecology and onco-gynaecology problems treated by *excisive laparoscopy*.

We proudly announce another milestone of Dr. Dipak Limbachiya in the journey towards excellence that Dr. Dipak Limbachiya received prestigious award at Annual British Society for Gynaecological Endoscopy conference held at Hull, United Kingdom on 18 & 19 May 2017, for presenting 3 videos,

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 by European Medical Association.



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