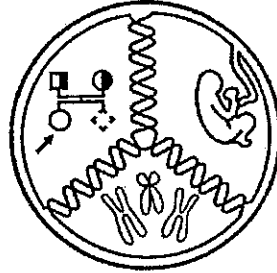


Topic	“ Eighteenth ICMR Course on Medical Genetics & Genetic Counselling ”
Organizer	Department of Medical Genetics, SGPGI, Lucknow
Date	26th August 2019 to 7th September 2019
Time	8 AM Onward
Live Streaming Link	https://nrcmedia.nmcn.in/userportal/index.html#/home/main and Click on video - 16203
Telecast Venue at AIIMS Delhi	Studio-II, SET Facility

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**EIGHTEENTH ICMR COURSE ON
MEDICAL GENETICS & GENETIC COUNSELING**

PROGRAM
26th August 2019 to 7st September 2019



**Department of Medical Genetics
Sanjay Gandhi Postgraduate Institute of Medical Sciences
Lucknow – 226 014**

Faculty for the course

1. Dr Madhulika Kabra, Professor, Genetics, Department of Pediatrics, AIIMS, New Delhi
2. Dr. Shrikant Mane, PhD, Professor of Genetics, Executive Director, Center for Genome Analysis, Yale/ NHGRI Center for Mendelian Genomics, Yale University School of Medicine
3. Dr Ratna Dua Puri, Professor & Senior Consultant, Centre for Medical Genetics, Sir Gangaram Hospital, New Delhi
4. Dr Ashwin Dalal, Head, Diagnostics Division, Centre for DNA Fingerprinting and Diagnostics, Hyderabad
5. Dr Neerja Gupta, Assistant Professor, Genetics, Department of Pediatrics, AIIMS, New Delhi
6. Dr. Koumudi Godbole, Consultant Medical Geneticist, Deenanath Mangeshkar Hospital & Research Center, Pune
7. Dr Sheetal Sharda, Consultant Clinical Geneticist, Medgenome Labs, Bangalore
8. Dr Prajnya Ranganath, Associate Professor and Head, Department of Medical Genetics, Nizam's Institute of Medical Sciences, Hyderabad
9. Dr Shagun Aggarwal, Associate Professor, Department of Medical Genetics, Nizam's Institute of Medical Sciences, Hyderabad
10. Dr Chaitanya Datar, Clinical Geneticist, Bharati Hospital and KEM Hospital Pune
11. Dr Dhanya Lakshmi N, Assistant Professor, Department of Medical Genetics, Kasturba Medical College, Manipal

AND faculty of SGPGIMS: Prof Sarita Agrawal, Prof Aditya Kapoor, Prof Shubha Phadke, Dr Kausik Mandal, Dr Deepti Saxena, Dr Amita Moirangthem, Dr. Anshika Srivastava

PROGRAM

26th August 19 - Monday

Time	Topic	Speaker/ Incharge
9.00 - 10.00 am	Registration: Welcome and Introduction	
10.00 - 11:00 am	Pedigree to DNA: Introduction to Clinical Genetics	Dr Shubha Phadke
11:00 - 11.30 am	Tea	
11.30 - 12:15 am	Learning to Draw a Pedigree	Dr Kausik Mandal
12.15 - 1.00 pm	Practice Session: Pedigree Drawing**	Dr Amita Moirangthem
1.00 - 2.00 pm	Lunch	
2.00 - 2.30 pm	Cases	Dr Neha
2.30 - 3.30 pm	Neural Tube Defects & Hydrocephalus (Picture Gallery)*	Dr Deepti Saxena
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	Laboratory medicine to molecular genetics	Prof. Sarita Agrawal

27th August Tuesday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Mendelian Inheritance *	Dr Amita Moirangthem
9.00 - 9.30 am	Genomic technologies and their impact in Biomedicine	Dr Shrikant Mane
9.30 - 10.00 am	Tea	
10.00 - 10.30 am	Single Cell Genomics	Dr Shrikant Mane
10.30 - 1.00 pm	Batch A -Demo I Batch B – Demo V	Dr Anshika / Ms Suzena Dr Shubha Phadke
1.00 - 2.00 pm	Lunch	
2.00 - 2.30 pm	Cases	Dr Deepti Saxena
2.30 - 3.30 pm	Syndrome Diagnosis: Use of Databases*	Dr Shubha Phadke
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	Molecular Basis of Genetic Disorders	Dr. Anshika Srivastava

28th August Wednesday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Prenatal screening and Diagnosis **	Dr Deepti Saxena
9.00 - 10.00 am	Neurodegenerative Disorders: Illustrative cases*	Dr Madhulika Kabra
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	Batch A -Demo III Batch B – Demo I	Dr Kausik / Dr Anup Dr Anshika / Ms Suzena
1.00 - 2.00 pm	Lunch	
2.00 - 2.30 pm	Case discussion	Dr Anup
2.30 - 3.30 pm	Neonatal Screening in Indian Scenario	Dr Madhulika Kabra
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	Dysmorphology Diagnosis	Dr Shubha Phadke

29th August Thursday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Clinical Cytogenetics**	Dr Amita Moirangthem
9.00 - 10.00 am	Acute metabolic disorders: Illustrative cases*	Dr Neerja Gupta
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	Batch A -Demo VIII Batch B – Demo IV	Dr Neerja Gupta / Dr Kausik Dr Deepti Saxena / Dr Amita
1.00 - 2.00 pm	Lunch	
2.00 - 2.30 pm	Case discussion	Dr Mayank
2.30 - 3.30 pm	Skin as a Clue to Genetic Disorder: Picture Gallery	Dr Neerja Gupta
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	USG /Amniocentesis – Batch A Fetal autopsy - Batch B	Dr Shubha Phadke Dr Kausik Mandal / Dr Amita

30th August Friday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Genetic Counseling*	Dr Shubha Phadke
9.00 - 9.30 am	Overtgrowth Syndromes: Picture Gallery	Dr Kausik Mandal
10.00 - 10.30 am	Genetics of Multifactorial Disorders	Dr Shubha Phadke
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	Batch A -Demo II Batch B - Demo VII	Dr Sarita Agrawal Dr Shubha Phadke / Dr Amita
1.00 - 2.00 pm	Lunch	
2.00 - 2.30 pm	Case discussion	Dr Kausik Mandal
2.30 - 3.30 pm	Pharmacogenomics	Dr. Amita Moirangthem
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	USG /Amniocentesis - Batch B Fetal autopsy - Batch A	Dr Shubha Dr Kausik / Dr Deepti

31st August Saturday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Down Syndrome	Dr. Shubha Phadke
9.00 - 10.00 am	Application of NGS in Diagnosis for Rare Inherited Disorders	Dr. Sheetal Sharda
10.00 - 10.30 am	Tea	
10.30 - 11.30 am	Non- Mendelian Inheritance*	Dr. Ratna Dua Puri
11.30 - 12.00 noon	Discussion on QUIZES of the week	Dr. Dhanya Lakshmi N
12.00 - 1.00 pm	Genetic Counseling Exercises - I	Dr. Dhanya Lakshmi N
1.00 - 2.00 pm	Lunch	
2.00 - 3.00 pm	Intellectual Disability: Diagnostic Approach*	Dr. Ratna Dua Puri
3.00 - 3.30 pm	Cord Blood Banking & Stem Cell Therapy	Dr. Dhanya Lakshmi N
3.30 - 4.00 pm	Tea	
4.00 - 4.40 pm	Challenges in Genetic Counseling - in NGS era*	Dr. Ratna Dua Puri
4.40 - 5.10 pm	Prenatal Genetics: Interactive Session**	Dr Shubha Phadke

2nd Sept Monday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Duchenne Muscular Dystrophy: Gene Mapping to Gene Therapy	Dr Prajnya R
9.00 - 10.00 am	Skeletal Dysplasia: An Approach	Dr. Dhanya Lakshmi N
10.00 - 10.30 am	Tea	
10.30 - 11.30 am	Approach to Disorders of Sexual Differentiation*	Dr Prajnya R
11.30 - 12.30 pm	Neurodegenerative Disorders*	Dr. Ashwin Dalal
12.30 - 1.30 pm	Lunch	
1.30 - 2.30 pm	Learning Exome analysis*	Dr. Moirangthem Amita
2.30 - 3.30 pm	Internet Resources for Genetic Disorders*	Dr. Ashwin Dalal
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	Mechanisms in Genetic Disorders - Illustrative examples**	Dr. Ashwin Dalal

3rd September 19 - Tuesday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Molecular Nomenclature & Evidence for Pathogenicity*	Dr Ashwin Dalal
9.00 to 10.00 am	Genotype - Phenotype Correlation: Thalassaemia Syndromes & Others	Dr Prajnya R
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	Batch A -Demo V Batch B - Demo VI	Dr Shubha Phadke Dr Kausik Mandal
1.00 - 2.00 pm	Lunch	
2.00 - 2.30 pm	Case discussion	Dr Shubha Phadke
2.30 - 3.30 pm	Treatment of Genetic Disorders	Dr Shubha Phadke
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	Prenatal Cytogenetics - Conventional to Molecular*	Dr Shubha Phadke

4th September 19 – Wednesday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Monogenic Disorders: Case Scenarios and Counseling**	Dr Deepti Saxena
9.00 - 10.00 am	Prenatal Diagnosis of Malformation Syndromes	Dr Shubha Phadke
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	Batch A -Demo VI Batch B – Demo III	Dr Shubha Phadke Dr Kausik Mandal
1.00 - 2.00 pm	Lunch	
2.00 - 2.45 pm	Interactive Session: Ethical Issues in Medical Genetics	Dr. Shagun Aggarwal
2.45 - 3.30 pm	Psychosocial Issues of Patients & Families with IEM	Dr Chaitanya Datar
3.30 - 4.00 pm	Tea	
4.00 - 5.00 pm	Fetal Therapy	Dr Shagun Aggarwal

5th September 19 - Thursday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Approach to a Hypotonic baby	Dr Chaitanya Datar
9.00 - 10.00 am	Fetal Echocardiography	Dr Aditya Kapoor
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	Batch A –Demo IV Batch B – Demo VIII	Dr Deepti / Dr Amita Dr Shubha Phadke / Dr Kausik Mandal
1.00 - 2.00 pm	Lunch	
2.00 - 2.45 pm	NGS in Fetal Medicine	Dr. Shagun Aggarwal
2.45 - 3.45 pm	Fetal Autopsy: An Important Investigation for Genetic Counseling	Dr Chaitanya Datar
3.45 - 4.00 pm	Tea	
4.00 - 5.00 pm	Cancer Genetics – Counseling Issues*	Dr. Kausik Mandal

6th September 19 - Friday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Interpretation of Cytogenetic Microarray: Case scenarios**	Dr Deepti Saxena
9.00 - 10.00 am	Studying Functional effects of genetic variations in causation of diseases*	Dr Anshika Srivastava
10.00 - 10.30 am	Tea	
10.30 - 1.00 pm	A-Demo VII B-Demo II	Dr Shubha / Dr Amita Dr Sarita
1.00 - 2.00 pm	Lunch Break	
2.00 - 2.30 pm	Case discussion	Dr Amita
2.30 - 3.00 pm	Genetic Counseling Exercises II	Dr Deepti Saxena,
3.00 - 3.30 pm	Tea	
3.30 - 4.15 pm	Lysosomal Storage Disorders: Diagnosis to management	Dr Kausik Mandal
4:15 to 5.00 pm	QUIZ	Dr Koumudi Godbole

7th September 19 - Saturday

Time	Topic	Speaker/ Incharge
8.00 - 9.00 am	Pre-pregnancy Clinic & Exposure to Teratogens	Dr Kausik Mandal
9.00 - 10.00 am	Genetics in Clinical Practice: Way Ahead	Dr Koumudi Godbole
10.00 - 10.30 am	Tea & Feedback	
10.30 to 11.30 am	Genetics of Reproductive Failure	Dr Deepti Saxena
11.30 to 12 pm	Final Exchanges / Questions / Opportunities / Feedback	
12 Noon	Valedictory function followed by Lunch	