

## **Two Fellowship Programs in the super-specialty of Fetal Medicine**

**KMC Manipal, Manipal academy of Higher Education, is pleased to invite applications for two fellowship programs in the field of fetal Medicine:**

### **1. Fellowship in advanced Obstetric Ultrasound (1 year)**

### **2. Fellowship in Fetal Medicine (2 years)**

Fetal medicine is about the study and treatment of the fetus within the womb. This is a rapidly evolving specialty wherein the fetus is treated as a patient either jointly or separately treated from the mother depending on the clinical indications. The diagnosis and management of fetus, therefore, requires expertise to be developed outside the traditional boundaries of obstetrics and neonatal specialty. It is also important to have a broad knowledge of understanding the fetus and its relation to the maternal environment to optimize management.

This unique fellowship training programme curriculum is designed to provide structured training in a university hospital as a sub specialist - along with the benefits of being trained at a tertiary referral centre for fetal diagnosis and therapy, by dedicated faculty specifically trained in fetal medicine.

## **Division of Fetal Medicine - Department of Obstetrics and Gynecology – Kasturba Medical College, Manipal, MAHE**

Department of Obstetrics and Gynecology, KMC Manipal was established by Dr A Padma Rao - is known to maintain the highest standards of Undergraduate and Postgraduate training in the country. UG and PG students apart from regular curriculum are exposed to many sub-specialties in Obstetrics and Gynaecology during their training, including reproductive medicine, fetal medicine, gynec oncology and urogynecology.

Dr Akhila Vasudeva, currently a Professor and unit chief in the department of Obstetrics and Gynaecology, has been a teaching faculty in this department since the year 2002. She developed special interest in the field of fetal medicine after an OBGYN USG training at Mediscan Chennai, under the supervision of Prof Suresh.

After obtaining her MRCOG in the year 2009, she had a short-term attachment with Prof Nicolaidis at Harris Birthright Research Center at London. She received the “Department of Bio-Technology CREST award” for the year 2011, which sponsored her fetal medicine training in UK. She underwent training in Fetal medicine in 2012-13, at the world renowned “Queen Charlotte’s and Chelsea Hospital, Imperial College Healthcare NHS Trust, London.

Joining back to the department of OBG at KMC Manipal, she has developed this subspecialty over the past 9 years. Currently, Division of Fetal Medicine is a full-fledged unit performing advanced obstetric sonography, multidisciplinary counseling, 3D/4D multiplanar USG interpretations, advanced genetic testing etc. Invasive diagnostic procedures are done onsite including amniocentesis, CVS, cordocentesis. In addition, advanced therapeutic procedures are being performed regularly including multifetal pregnancy reductions, intrauterine transfusions, Radiofrequency ablation for selective reduction of MCDA twins.

Fetal medicine training in a University setting is a rare but unique opportunity at MAHE. There is exposure not only to advanced obstetric USG, but also to the continued management of pregnancy as a whole, followed by perinatal postnatal follow ups of this neonate. A comprehensive knowledge on perinatal management – is only possible in this high-risk pregnancy setting because a trainee will

not only learn advanced USG/counseling; but can follow up the case to delivery, neonatal management, neonatal surgeries, neonatal imaging, childhood follow-up etc. There would be exposure to all relevant specialties including genetics, pathology, neonatology, pediatric surgery to name a few. Understanding fetal aspects of maternal medicine – is also a unique opportunity at MAHE.

**Special Features:**

Candidates will be expected to acquire a high standard of competence in the clinical management of high-risk pregnancies; ultrasound diagnosis and management of fetal anatomical and functional abnormalities; Doppler assessment of the uterine and fetal circulations; training towards performing fetal invasive procedures like amniocentesis, chorion villus sampling and observe complex in utero fetal interventional procedures.

The training program and curriculum are designed in such a way so that candidates will be participating in rigorous training in performing scans, reporting scans, as well as complex counseling sessions. At the same time, they undergo formative systematic assessment, complimented by research activities. More details regarding the training can be found in the Annexures supporting this website announcement.