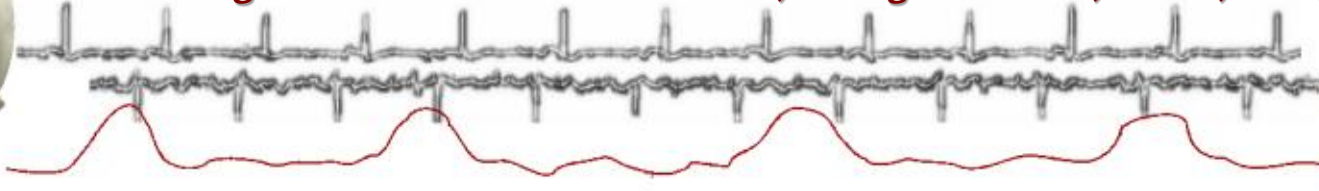


FETAL AND PERINATAL MEDICINE, FROM A CLINICAL AND TECHNOLOGICAL PERSPECTIVE

Lunedì 2 Luglio 2018 – AUDITORIUM Edificio 2, Sardegna Ricerche, Polaris, Pula (CA)



The continuing medical education (ECM) course "Fetal and perinatal medicine, from a clinical and technological perspective" will be held in the framework of the International Summer School on Technologies and Signal Processing in Perinatal Medicine.

Three lectures by a gynecologist, a neonatologist and a pediatric cardiologist will be first proposed. The aim is that of presenting the aspects related to the diagnosis and follow-up of the fetus during pregnancy, identifying risk conditions due to intrauterine growth restriction and fetal cardiovascular diseases. In both case, ultrasounds represent the reference technology for the diagnosis. Prediction markers of abnormal fetal development can be inferred from the ultrasound images of the fetus and of specific body structures, including the thickness of major vessels, whereas cardiotocography can be exploited to obtain other markers associated to the heart rate variability. At the same time, echocardiography is the primary method for diagnosing fetal cardiovascular disease and for monitoring progression and managing the disease process and, thanks to the current technologies, can be easily performed from remote, as will be demonstrated through a live demo. The neonatologist's perspective is fundamental in presenting the effects of prenatal diagnosis on relevant neonatal pathologies, such as prematurity, perinatal asphyxia, infections and sepsis. Special attention will be given to highlight the outstanding role of early epigenetic mechanisms and the future adult life of each individual.

From a technological perspective, several key aspects essential for impactful research and development in healthcare, including value proposition creation, IP generation, and co-creation, will be presented. A dive deeper into the current trends, challenges, and needs observed in the Perinatal Care domain will be also presented.

Programma

- 8:30 Registration
- 9:00 Opening and presentation of the Summer School and the ECM course
Danilo Pani, PhD, University of Cagliari
- 9:30 Innovative technologies for intrauterine monitoring of predictive markers of vascular and neurological well-being
Dr. Silvia Visentin, PhD, Department of Woman's and Child's Health, University of Padua (IT)
- 10:30 Back to the future: prenatal life and perinatal programming
Prof. Vassilios Fanos, NICU, Neonatal Pathology and Neonatal Section, Azienda Ospedaliera Universitaria and University of Cagliari (IT)
- 11:30 Coffee Break
- 12:00 Fetal cardiological diagnostics in the clinical practice
Dr. Roberto Tumbarello, PhD, Complex Structure of Pediatric Cardiology, Hospital G. Brotzu, Cagliari (IT)
- 13:00 Lunch
- 14:30 Telecardiology live demo
Dr. Roberto Tumbarello, PhD, Complex Structure of Pediatric Cardiology, Hospital G. Brotzu, Cagliari (IT) with the help of CRS4 staff
- 15:00 Real-time telecardiology: methods and tools
Dr. Francesca Frexia, PhD, Healthcare Flows Research Program / Data-intensive Computing Sector, CRS4 – Center for advanced studies, research and development in Sardinia, Pula (IT)
- 16:00 From technology innovation to clinical implementation – a perspective from the industry
Dr. Rick Bezemer, PhD, Program Lead Perinatal Care Solutions, Philips Research, Eindhoven (NL)
- 17:00 Closing remarks and ECM exam

INFO E ISCRIZIONI

Essendo parte di una Scuola internazionale, la lingua ufficiale dell'evento è l'inglese.

La partecipazione all'evento è GRATUITA (include break e pranzo) e dà diritto all'acquisizione di 6 crediti ECM per le professioni: *Medico chirurgo (Cardiologia, Malattie metaboliche e diabetologia, Medicina e chirurgia di accettazione e di urgenza, Medicina interna, Neonatologia, Neurologia, Pediatria, Cardiocirurgia, Chirurgia pediatrica, Ginecologia e ostetricia, Anatomia patologica, Anestesia e rianimazione, Radiodiagnostica, Igiene, epidemiologia e sanità pubblica, Medicina generale (medici di famiglia), Pediatria (pediatri di libera scelta), Privo di specializzazione), Infermiere, Infermiere pediatrico, Ostetrica/o, Tecnico della fisiopatologia cardiocircolatoria e perfusione cardiovascolare, Tecnico sanitario di radiologia medica.*

Max 100 partecipanti

Si richiede di manifestare la propria adesione entro il 26 giugno 2018 utilizzando il form on-line sul sito: <http://sites.ieee.org/tsppm-2018/ecm/>

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Provider ECM: SP Srl



E.C.M.
Commissione Nazionale Formazione Continua



Provider ECM n° 4146