

# Editorial

This special issue of Yellow Journal is dedicated to the 4th International Fetal Neurology Conference that is hosted by Bucharest, between 26th and 28th of March 2015, and organized by the Romanian Society of Ultrasound in Obstetrics and Gynecology.

It is for the first time that Romania is the host for the International Fetal Neurology Conference, after Croatia and Japan. Here, we will all learn from the most recent concerns and researches of the specialists from all around the world that work in the less familiar domain of fetal neurology. This special issue of the journal will offer you the reviewed papers of the presented topics.

Neurological failure is the most apprehension complication of pregnancy, labor and neonatal period. The origin and outcome correlation is frequently doubtful. Neurological assessment of fetus *in utero* is extremely difficult. Significant advancement was the introduction of high quality three-dimensional/ four-dimensional ultrasound which allowed the observer to carry out real-time observations with sufficient dynamics and good image resolution and enabled production of new prenatal scoring test (Kurjak antenatal neurodevelopmental test—KANET). The test was named after the first author, Asim Kurjak, antenatal neurodevelopmental test. The idea of diagnosis *in utero* of some functional neurological disorders was very intriguing. By now, the KANET has been shown to be useful in standardization of behavioral assessment with the potential for antenatal detection of fetuses with severe neurobehavioral impairment. Fetal neurology presents the art and the science of an emerging field that is sure to grow in clinical importance.

Exceptional researchers, Asim Kurjak, Ritsuko K Pooh and Milan Stanojevic, have pioneered the field of fetal neurology and describe in exquisite and beautiful detail in our current ability to see the structure and understand the function of the fetal nervous system. They are truly artists using a wonderful medical art.

Our common interest, to improve the quality of patient care and education in the field of obstetrics ultrasound, is again connecting our international scientific community. In this respect, collegiality and connectivity is vital for implementation of continuous innovation.

You will find in these number excellent written papers about the evolving challenges in fetal neurology, the role of fetal stress in fetal neurology, magnetic resonance spectroscopy promises for detection of metabolic changes in the fetal brain, antenatal and postnatal assessment of neurobehavior, fetal isolated mild ventriculomegaly and controversies surrounding early diagnosis of fetal brain anomalies.

We welcome you with warmth and hospitality, in a modern and elegant environment, and we hope to provide you a memorable scientific and social event. We are convinced that the renowned international speakers and the Romanian specialists, whom we have invited, will meet and exceed your expectations.



**Prof Radu Vladareanu**

President

Romanian Society of Ultrasound in  
Obstetrics and Gynecology