The K-G Waves of the Pravara Effect

In obstetric Doppler, Uterine Artery as well as Umbilical Arteries has different waveform patterns. But waveform patterns of fetal Middle Cerebral Arteries have not yet been described and are hence reported here for the benefit of one and all.

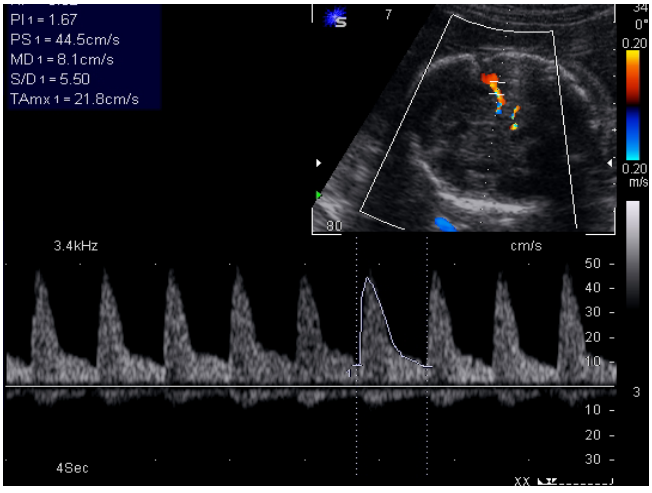
The Pravara Effect

- "The phenomenon of occurrence and existence of different patterns of Fetal Middle Cerebral Artery [MCA] velocity waveforms as seen on Doppler Ultrasound"
- Successfully documented first in the Pravara Institute of Medical Sciences (DU), Loni, Maharashtra, India by researchers Dr Sushil G Kachewar and Dr Siddappa G Gandage.

The K-G Waves

- "Different new types / patterns of MCA velocity waveforms to be named after the initials of the researchers in this study i.e. Kachewar &Gandage [K-G]"
- Dr Sushil Kachewar MD, DNB; Associate Prof. Radio-diagnosis Dept., RMC, Loni, Maharashtra, India
- Dr Siddappa Gandage MD,DMRD ; Professor and Head, Radio-diagnosis Dept., RMC, Loni , Maharashtra, India

The Normal Middle Cerebral Artery Velocity waveform has a uniform systole and diastole.



The Middle Cerebral Artery K-G waves have bizarre non uniform waveform pattern.

Reference:

Kachewar SG, Gandage SG. The Foetal 'Mind' as a Reflection of its Inner Self: Evidence from Colour Doppler Ultrasound of Foetal MCA. Mens Sana Monogr 2012[ahead of print article=85495]. www.msmonographs.org/aheadofprint.asp?id=85495