References


8. SPTA, acronym for Spatial Peak Temporal Average. This is the standard intensity parameter for transducer output. There are many possible parameters. SPTA is defined as the maximum temporal average intensity for radiation. After 1991, SPTA was replaced in the operator display with two risk parameters. These are MI (Mechanical Index) and TI (Thermal Index). SPTA is generally considered better for scientific discussion, and is used throughout this article.


10. Most studies, of anything, compare groups at various dosages against a group that goes through the experimental process without any dose. This latter is the “control group”.


12. This finding of growth restriction does not exclude the possibility that DUS could also cause the opposite, i.e., macrosomia.


17. Estimated from 2.5mW/cm2 SATA


19. Personal communication with Mark Ellisman.


25. The Interagency Autism Coordinating Committee (IACC) was originally established under the Children’s Health Act of 2000 (Public Law 106-310).


33. Personal communication with scientists, and my research of literature.

34. AIUM, “American Institute of Ultrasound in Medicine”, a multidisciplinary medical association of more than 9000 physicians, sonographers, scientists, students, and other health care providers. Established in 1952, AIUM interfaces with industry, is a member of WFUMB, “The World Federation for Ultrasound in Medicine,” which is officially related to WHO.


42. Personal communication with Marie Stanton.


48. Personal communication with Eitan Kimmel.


50. AIMS-UK stands for “Advancement for Improvements in Maternity Services”, based in the United Kingdom. Much information about DUS can be found at www.aims.org.uk


58. Teratogenic: Able to disturb the development of an embryo or fetus.

59. This is my general overview as determined from my review of many statements by ultrasound scientists. A few of these are quoted in this article and many are quoted in my book. These are generalizations and there are exceptions such as Newnham (1993).


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