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He graduated in electronics from the University of Electro-Communications and from medical school at the Osaka University. He became instructor at the department of obstetrics and gynecology, the University of Tokyo and got Ph.D. from the University of Tokyo. He first reported on a 3D ultrasound system in 1984 and succeeded in obtaining 3D ultrasound fetal images by using a mini-computer in 1986. He also applied this system to placental blood flow and breast disorders in 1990 to 1991. He wrote a comprehensive book on diagnostic ultrasound in obstetrics and gynecology including 3D ultrasound in 1992 and edited Three-dimensional ultrasound in obstetrics and gynecology (Parthenon Publishing), the first book devoted entirely to 3D ultrasound, in collaboration with D Jurkovic in London in 1997. He has been a professor in Center for Maternal, Fetal and Neonatal Medicine, Saitama Medical Center, Saitama Medical University since 2003.