

## Biography of Prof. Kaoru KURISU

He was born in 1955 in Hiroshima and graduated from Hiroshima University Faculty of Medicine in 1981 and got medical license in the same year and started his carrier as neurosurgeon from Department of Neurosurgery Hiroshima University Hospital (HUH). He moved to National Kure Hospital in 1982 and came back to HUH in 1985. He completed his residency of neurosurgery in 1987 and got the board of neurosurgery in 1987 and Ph.D. from Hiroshima University in 1989. He became an instructor of Department of Neurosurgery in 1987, assistant professor in 1991, associated professor in 1994 and Professor and Chairman of Department of Neurosurgery HUH, 1995. His clinical and basic research fields are brain tumor biology and surgery, skull base surgery, image diagnosis of central nervous system (CNS), regeneration of CNS, magnetic activity of CNS, etc. His work on academic societies covers many fields of neurosurgery not only in Japan, but also in the world through activities as members of education and training committee, skull base surgery committee of WFNS and AASNS. He has been invited to make lectures in the education course, conference and workshops, etc. From 2009 to 2013, he had been a senior delegate of JNS to WFNS and from 2013 to 2017 chairman of neurosurgery technology committee of WFNS. Recently he started new approach to harvest neural stem cells from mesenchymal stem cells originated from skull bone dust under the microgravity environment using Gravite®. Also he started to set up and use information integrated packaged operating theater that is smart cyber operating theater (SCOT) as the first install in the world in HUH in 2016. He is expanding the clinical applications by SCOT not only to the neurosurgical field, but also bone tumors in orthopedic surgery field.