

Hirotoishi SANO M.D.,Ph.D.
Chairman&Professor
Department of Neurosurgery
Fujita Health University
1-98 Dengakugakubo,
Kutsukake-cho, Toyoake, Aichi
470-1192 Japan
Tel.: +81-562-93-2351
Fax : +81-562-93-3689
E-mail: hsano@fujita-hu.ac.jp

■ **Birthday:** March 11, 1945

■ **Education**

1970 Keio University, School of Medicine in Tokyo
1970 Intern at U.S. Naval Hospital in Yokosuka, Japan

■ **Professional Affiliations**

1971 Department of Neurosurgery, Keio University
1977 Board of Japan Neurosurgical Society
Assistant Professor, Department of Neurosurgery, Fujita Health University
1979 Title of ph.D.
1980 Associate Professor, Department of Neurosurgery, Fujita Health University
2000 Professor, Department of Neurosurgery, Fujita Health University
2001~2003 Professor, Emergency Medicine
2003~ Director of Critical Care Center
2004~ Chairman Department of Neurosurgery, Fujita Health University 
2005 ~ Board of Directors in Japan Neurosurgical Society
2006~2011 Best Doctors in Japan
2000 President of 9th Conference on Neurosurgical Techniques and Tools (CNTT)
2004 President of 10th Annual Meeting of the Japan Society of Neurosurgical Emergency
2009 President of 9th International Conference of Cerebrovascular Surgery
2009 Chairman of Cerebrovascular Diseases and Therapy Committee WFNS
Visiting Professor: University of Ljubljana, Slovenia
University of Illinois, U.S.A.
University of San Paulo, Brazil etc.

■ Rewards

- 1999 Outstanding People of the 20th Century
International biographical Centre, Cambridge
- 1999 New Century Award, The Asia 500 Barons Who's Who, USA
- 1999 Twentieth century Achievement Award, 1000 Leaders of World Influence
- 2000 Guinness World record (Cerebral aneurysm surgery 2007)
- 2001 Guinness World record (Cerebral aneurysm surgery 2100)
- Now cerebral aneurysm surgery more than 2700(un-officially)

■ Academic Interests

- * Cerebral aneurysm, AVM, Neurosurgical techniques and tools

■ Development of instruments

- * small instrument
- * clip holder
- * jet irrigation bipolar system
- * sano nonblind nonscissoring clip

■ Development of surgery

- * direct surgery of intracavernous giant aneurysm
- * transzygomatic anterior subtemporal approach
- * transcrista galli translamina terminalis approach
- * tentative clipping method
- * multi clipping method
- * dome coagulation method
- * clipping on wrapping method
- * hypothermia surgery

■ Main articles

- 1) Prospection of Chronic Vasospasm by CT Findings
Acta Neurochirurgica, Springer-Verlag Wien, 1982, 63, 23-30
- 2) New jet irrigation bipolar system, Neurosurgery, 1996, 38(6) June, 1251-1253
- 3) Bilateral Giant Intracavernous Aneurysms Technique of Unilateral Operation, Surgical Neurology, 1988, 29(1) 35-38
- 4) A Transcrista galli, Translamina terminalis Approach for Highly Placed Basilar Bifurcation Aneurysms, Acta Neurochirurgica, 1997, 139, 1020-1025

- 5) Operation on high-lying basilar bifurcation aneurysms, *Surgical Neurology*, 1997, 48, 458-466
- 6) Classification and treatment of vertebral dissecting aneurysms, *Surgical Neurology*, 1997, 48, 598-605
- 7) Classification and treatment of aneurysms of the internal carotid siphon, *J. Clin. Neuroscience*, 1996, Vol. 3, Number 3, July, 247-251
- 8) Treatment and Results of Partially Thrombosed Giant Aneurysms
Neurologia medico-chirurgica, Vol. 38, Supplement, 1998, 58-61, Proceedings of the 5th IWCVS
- 9) Treatment of Cerebral Aneurysms: Surgical, Endovascular or Combined Intervention,
Interventional Neuroradiology 4 (Suppl 1), 153-158, 1998
- 10) Minimally invasive surgery for cerebral AVM in the eloquent cortex,
J. Clin. Neuroscience, 1998, 5(Suppl. 1) 98-105