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**Education**

1996 M.D. Jikei University School of Medicine, Tokyo , Japan

**Postdoctoral Training***Internships and Residencies:*

1996-98 Two years general resident program in internal medicine, surgery, pediatrics, psychiatry and anesthesiology, Jikei University School of Medicine

1998-2000 Resident, Department of Neurosurgery, Jikei University School of Medicine

*Clinical and Research Fellowships:*

2004-2005 Research Fellow, Department of Neurosurgery, Jikei University School of Medicine

**Licensure and Certification**

1996 Japanese Medical Licensure

2002 Japanese Board of Neurological Surgery

**Academic Appointments**

2000- Clinical Associate, Department of Neurosurgery, Jikei University School of Medicine

**Professional Societies**

1996 Japan Neurosurgical Society

2002 Japan Society for Neuro-Oncology

2002 European Association for Neuro-Oncology

2002 World Federation of Neuro-Oncology Societies

2005 Japan Society of Brain Tumor Pathology

**Awards and Honors**

2005 Jikei Medical Scholarship for studying abroad

**Bibliography**

1. Arai T, Irie K, Akiyama M, Kamikubo T, Nakajima M, Sakai H, Toshiaki Abe. Falcotentorial Meningioma with Visual Allesthesia. Case report. *Brain and Nerve* 2002; 54: 255-259.
2. Irie K, Arai T, Hida T, Nakajima M, Sakai H, Iguchi M, Yano I. Problems of an Informed Consent in a Case of Hydranencephaly Fetus and Selection of the Therapeutic Modality. *Nervous System in Children* 2002; 27: 295-298.
3. Sakai H, Nakajima M, Otsuka t, Arai T, Irie K. Park-bench infratentorial supuracerebellar approach for pineal lesion. *Surgery for Brain Tumor* 2002; 85-91.
4. Arai T, Takao H, Ogawa T. Management for the deteriorating patients . *Brain Nursing* 2004; 20: 38-46.
5. Arai T, Hujigasaki J, Arakawa H, Nagashima H, Joki T, Murakami S, Endo Y, Hukuda, Sugita T, Abe T. An autopsy case with cerebral histoplasmoma. Case report. *Brain and Nerve* 2004; 56: 795-800.
6. Irie K, Arai T, Yuki I, Hida T, Nakajima M, Sakai H. Surgical strategy for pontine hemorrhage associate with cavernous angioma. *Journal of Tokyo Medical Association* 2004; 57: 45-48.
7. Arai T, Takao H, Murakami S, Joki T, Tanaka T, Kikuchi T, Abe T. Volume measurement of brain tumors using "Zed view" 3-D reconstructing software. *Progress In Computed Imaging* 2005; 26(2): 73-83.
8. Arai T, Joki T, Fujigasaki J, Fukuda T, Abe T. Non-tumoral lesions which were positive with intraoperative photodynamic diagnosis using 5-aminolevulinic acid. Two cases report. *CP Neurosurg* 2005 ; 15(3): 277-282.
9. Arai T, Joki T, Akiyama M, Agawa M, Mori Y, Yoshioka H, Abe T. Novel drug delivery system using thermoreversible gelation polymer for malignant glioma. *Journal of Neuro-Oncology* 2005; 15:1-7
10. Arai T, Joki T, Abe T. Rehabilitation for the brain tumor patients. *Clinical Rehabilitation* 2005; 14(12): 1074-1007
11. Arai T, Tani S, Isoshima A, Nagashima H, Joki T , Abe T . Intraoperative photodynamic diagnosis for spinal ependymoma using 5-aminolevulinic acid. Technical note . *No Shinkei Geka* 2006; 34(8): in press

#### **Presentations at Scientific Meetings**

1. Arai T, Takahashi K, Miyazaki Y, Koyama T, Hashimoto T. Hemorrhagic infarction associated with the operation of chronic subdral hematoma. Case report. The 66 th Meeting of the Japan Neurosurgical Society Kanto Section, Tokyo , Japan
2. Arai T, Irie K, Akiyama M, Kamikubo T, Sakai H. Intracranial hemorrhage associated with falx meningioma. Case report. The 72 nd Meeting of the Japan Neurosurgical Society Kanto Section, Tokyo , Japan
3. Arai T, Irie K, Akiyama M, Kamikubo T, Nakajima M, Sakai H. Falcotentorial Meningioma with Visual Allesthesia. Case report. The 73 rd Meeting of the Japan Neurosurgical Society Kanto Section, Tokyo , Japan
4. Arai T, Nakajima M, Hida T, Irie K, Sakai H. Park-bench infratentorial supracerebellar approach for cerebellar AVM. The 82 nd Meeting of the Japan Neurosurgical Society Kanto Section, Tokyo , Japan
5. Arai T, Arakawa H, Nagashima H, Isojima A, Ohashi H, Murakami S, Abe T, Endo Y, Hujigasaki J, Hukuda T. An autopsy case with cerebral histoplasmoma. Case report. The 93 rd Meeting of the Japan Neurosurgical Society Kanto Section, Tokyo , Japan
6. Arai T, Tani S, Isoshima A, Nagashima Y, Joki T, Abe T. Intraoperative photodynamic diagnosis for spinal tumor. The 97 th Meeting of the Japan Neurosurgical Society Kanto Section, Tokyo , Japan
7. Arai T, Takahashi K, Miyazaki Y, Koyama T, Hashimoto T, Abe T. Cerebral infarction associated with bilateral chronic subdural hematoma. The Japan Society of Neurotraumatology 21 st Annual Meeting, Kyoto , Japan
8. Arai T, Takao H, Tanaka T, Joki T, Murakami S, Kikuchi T, Abe T. Volume measurement of brain tumors using "Zed View" 3-D reconstructing software. The 26 th meeting of Neuro-Oncology, Tokyo , Japan
9. Arai T, Joki T, Kikuchi T, Abe T. In-home care for patients suffering from malignant brain tumor. Result of questionnaire survey from families. The 27 th meeting of Neuro-Oncology, Tokyo , Japan
10. Arai T, Takao H, Tanaka T, Joki T, Murakami S, Abe T. Volume measurement of brain tumors using "Zed View" 3-D reconstructing software. The 27 th Annual Meeting of the Japan Society for CNS Computed Imaging, Aichi , Japan
11. Arai T, Joki T, Abe T, Hujigasaki J, Hukuda T. Intraoperative photodynamic diagnosis for brain tumor using 5-amnolevulinic acid. The Society for the Study of 5-amnolevulinic acid 5 th Meeting, Sapporo , Japan
12. Arai T, Tani S, Isoshima A, Nagashima Y, Joki T, Abe T. Intraoperative photodynamic diagnosis for spinal tumor. The Society for

the Study of 5-amnolevulinic acid 6 th Meeting, Tokyo , Japan

13. Arai T, Joki T, Kikuchi T, Abe T. In-home care for patients suffering from malignant brain tumor. Result of questionnaire survey from families. The 63 rd Annual Meeting of the Japan Neurosurgical Society, Nagoya , Japan
- 14.. Arai T, Arakawa H, Nagashima H, Joki T, Murakami S, Abe T, Hujigasaki J, Hukuda T. Endo Y, Sugita T. An autopsy case with cerebral histoplasmoma. Case report. The 63 rd Annual Meeting of the Japan Neurosurgical Society, Nagoya , Japan
15. Arai T, Joki T, Abe T, Akiyama M, Murayama Y, Kikuchi T, Mori Y, Yoshioka H. Local chemotherapy for malignant brain tumor using thermo-reversible gelation polymer. The 22 nd Annual Meeting for Japan Society for Neuro-Oncology, Matsushima , Japan
16. Arai T, Fukuda T, Ikeuchi S, Joki T, Kato M, Kamio M, Fujigasaki J, Ichiba N, Abe T. The MR images and pathological features of chordoid meningioma. Case report. The 23 rd Annual Meeting of the Japan Society of Brain Tumor Pathology, Tokyo , Japan
17. Arai T, Fukuda T, Joki T, Nagashima H, Kamio M, Fujigasaki J, Ichiba N, Abe T. The MR images and pathological features of rhabdoid meningioma. Case report. The 23 nd Annual Meeting of the Japan Society of Brain Tumor Pathology, Tokyo , Japan