

Kensuke Kawai, M.D., Ph.D.

Professor & Director, Department of Neurosurgery, Jichi Medical University

Vice Director, Jichi Medical University Hospital

Director, Epilepsy Center, Jichi Medical University Hospital

Education & postgraduate training

1979-1983: General Culture Course, the University of Tokyo

1983-1987: Faculty of Medicine, the University of Tokyo

Postgraduate training

1987-1989: Clinical resident, Department of Neurosurgery, the University of Tokyo Hospital, Tokyo Metropolitan Police Hospital and Aizu Central Hospital.

1990- 1992: Visiting fellow, Stroke Branch, National Institute of Neurological Disorders and Stroke, National Institutes of Health, U.S.A.

Position held:

1992-1996: Staff neurosurgeon, Teraoka Memorial Hospital and Teikyo University Hospital.

1996-2000: Staff neurosurgeon and personnel manager (August 1997-July 1999), Department of Neurosurgery, the University of Tokyo Hospital.

2000-2003: Staff epilepsy surgeon, Tokyo Metropolitan Neurological Hospital.

2003-2013: Assistant Professor then Associate Professor, Graduate School of Medicine, the University of Tokyo.

2013 –2015: Director, Department of Neurosurgery, NTT Medical Center Tokyo.

2016 – present : Professor & Director, Department of Neurosurgery, Jichi Medical University.

2020 – present : Vice Director, Jichi Medical University Hospital.

License & degree

1987. Japanese National Medical Board.

1993. Japanese Board of Neurosurgery.

1995. PhD from the University of Tokyo.

2003. Japanese Board of Specialist of Clinical Epilepsy.

Membership of academic societies:

Japan Epilepsy Society: Vice president, Chair of Committee of Long-Term Program (chair) and member of other four committees.

Japan Neurosurgical Society: Representative member, Board of Directors of Kanto District Branch, member of six committees.

Epilepsy Surgery Society of Japan: Secretary General, Board of Directors, the 35th president (2012).

International League against Epilepsy: Co-chair, Epilepsy Surgery Task Force, CAO.A.

Asian Epilepsy Surgery Congress: Board of Directors.

Awards:

1993 Galenus Award, Japan Neurosurgical Society

1999 Kusano Award, Japan Stroke Society

Specialty:

Epilepsy surgery

General neurosurgery, skull base surgery

Clinical and experimental research in epilepsy and cerebrovascular diseases

Human neuroscience, disease-oriented neuroscience

Selected publication in epilepsy and related fields:

1. Kawai K, et al. Development of susceptibility to audiogenic seizures following cardiac arrest cerebral ischemia in rats. **J Cereb Blood Flow Metab** 15: 248-58, 1995.
2. Kawai K, et al. Failure of low-dose radiosurgery to control temporal lobe epilepsy. **J Neurosurg** 95: 883-7, 2001.
3. Kawai K, et al. Clinical outcomes after corpus callosotomy in patients with bihemispheric malformations of cortical development. **J Neurosurg** 101: 7-15, 2004.
4. Usami K, Kawai K, et al. Scalp-recorded evoked potentials as a marker for afferent nerve impulse in clinical vagus nerve stimulation. **Brain Stimul** 6: 615-23. 2013.
5. Kunii N, Kawai K, et al. The significance of parahippocampal high gamma activity for memory preservation in surgical treatment of atypical temporal lobe epilepsy. **Epilepsia** 55: 1594-601, 2014.
6. Matsuo T, Kawasaki K, Kawai K, et al. Alternating zones selective to faces and written words in the human ventral occipitotemporal cortex. **Cereb Cortex** 25: 1265-1277, 2015.
7. Usami K, Kubota M, Kawai K, et al. Long-term outcome and neuroradiologic changes after multiple hippocampal transection combined with multiple subpial transection or lesionectomy for temporal lobe epilepsy. **Epilepsia** 57: 931-940, 2016.
8. Kawai K, et al. Outcome of vagus nerve stimulation for drug-resistant epilepsy: the first three years of a prospective Japanese registry. **Epileptic Disord** 19: 327-338, 2017.
9. Shimada S, Kunii N, Kawai K, et al. Impact of volume-conducted potential in interpretation of cortico-cortical evoked potential: Detailed analysis of high-resolution electrocorticography using two mathematical approaches. **Clin Neurophysiol** 2017; 128:549-557
10. Nishida T, Kawai K, Tachimori H. Risks of seizure with fatal traffic crash at wheel in people with epilepsy. **Seizure** 76: 110-115, 2020.