

〔 名前 〕 平野 俊一郎

〔 職位 〕 教授

〔 保有学位 〕 博士（医学）

〔 担当科目 〕 健康教育 総合基礎演習Ⅰ 赤ちゃん学基礎理論  
赤ちゃんの生理学 乳児の身体と生理学  
卒業論文Ⅰ・Ⅱ

〔 専門分野 〕 発達神経科学 神経生理学 機能再生医学  
画像診断学 医学教育

〔 学外活動 〕 Society for Neuroscience, Regular Member  
日本脳神経外科学会会員  
日本再生医療学会会員  
日本生理学会会員  
歯科基礎医学会会員  
日本歯科医学教育学会会員

〔 主な教育・研究業績 〕

< 著書（共著） >

吉峰俊樹、丸野元彦、平野俊一郎、平田雅之、二宮宏智、谷口理章、加藤天美、鎌田振吉、岡田 正. 脊髄脂肪腫摘出術と術中モニタリング. 「脳腫瘍の外科－胎生期組織由来腫瘍－（玉木紀彦、長嶋達也 編集）」 pp. 179–183, 1999

有田憲生、森 鑑二、山中一功、泉本修一、田村雅一、平野俊一郎、早川 徹. 優位半球側脳室三角部腫瘍に対する手術アプローチ. 「髄膜腫の外科（久保田紀彦 編集）」 pp. 148–154, 1997

< 論文（過去 10 年） >

Shun-Ichiro Hirano: Patients with unresponsive wakefulness syndrome produce high-amplitude auditory steady-state response. *Journal of the Neurological Sciences* 429:e118545, 2021 (doi: 10.1016/j.jns.2021.118545)

Shun-Ichiro Hirano: Exploratory trial to determine an optimum parameter set for real-time neuromonitoring in cerebellopontine angle surgery. *Journal of the Neurological Sciences* 405:361–362, 2019 (doi: 10.1016/j.jns.2019.10.1522)

Tetsuya Fujimoto, Hiroshi Inoue, Shun-ichiro Hirano, Seiji Goda: Effect of bisphenol A exposure on spontaneous behavior using the elevated plus maze test. *Journal of Osaka Dental University* 53(2):187–192, 2019

Takashi Ohshima, Hiroshi Inoue, Kenji Uchihashi, Shun-ichiro Hirano, Yasuo Nishikawa: Effect of IL-12 family cytokines on NK92 cells. *Journal of Osaka Dental University* 51(2):115–123, 2017

Tetsuya Fujimoto, Hiroshi Inoue, Shun-ichiro Hirano, Kenji Uchihashi, Yasuo Nishikawa: Prenatal exposure to bisphenol A induces behavioral and hormonal changes in pre-weaning rats. *Journal of Osaka Dental University* 51(2):125–129, 2017

Shun-ichiro Hirano, Tetsuya Fujimoto, Hiroshi Inoue, Kenji Uchihashi, Yasuo Nishikawa: College students with high academic performance do not choose front-row seats in the classroom. *Journal of Osaka Dental University* 51(2):151–156, 2017

Shun-ichiro Hirano: The use of 40Hz-ASR can predict conscious outcome in patients with severe head injury in the early stage. *Journal of the Neurological Sciences* 357:e326, 2015

Ko Nosaka, Hiroshi Inoue, Shun-ichiro Hirano, Kenji Uchihashi, Yasuo Nishikawa: IL-17A inhibits osteoclast differentiation of RANKL-stimulated RAW264.7 cells by suppressing JNK phosphorylation and c-Fos expression. *Journal of Osaka Dental University* 48(2):117–124, 2014

Shun-ichiro Hirano, Tetsuya Fujimoto, Hiroshi Inoue, Kenji Uchihashi, Yasuo Nishikawa: Chemiluminescence can be an indicator of the viability of transplanted neural stem cells from the rat subventricular zone. *Journal of Osaka Dental University* 48(2):141–149, 2014

Shun-ichiro Hirano, Momoka Ohashi, Rina Kakihara, Takeshi Suwabe, Tetsuya Fujimoto, Hiroshi Inoue, Kenji Uchihashi, Yasuo Nishikawa: Ablation of rat substantia nigra may provide a good acute model of Parkinson's disease for stem cell transplantation. *Journal of Osaka Dental University* 47(1):11–19, 2013

Hiroshi Inoue, Takeshi Suwabe, Tetsuya Fujimoto, Shun-ichiro Hirano, Tetsuya Adachi, Takashi Ohshima, Kenji Uchihashi, Yi-ru Fang, Shu Meng, Lin Zhang, Lei Zhao, Ya-fei Wu, Yasuo Nishikawa: Mechanisms of NK cell activation stimulated by CD2; granzyme B is released by CD2 crosslinking – stimulation on NK92 cells. *Journal of Osaka Dental University* 46(2):229–235, 2012

Shu Meng, Lin Zhang, Lei Zhao, Yi-ru Fang, Tetsuya Fujimoto, Shun-ichiro Hirano, Hiroshi Inoue, Kenji Uchihashi, Yasuo Nishikawa, Ya-fei Wu: Effects of C-reactive protein on CC chemokine receptor 2-mediated chemotaxis of monocytes. *DNA and Cell Biology* 31:30–35, 2012

Tetsuya Fujimoto, Takeshi Suwabe, Shun-ichiro Hirano, Hiroshi Inoue, Kenji Uchihashi, Yasuo Nishikawa: Sex differences in odor-responding neurons of the rat medial amygdaloid area. *Journal of Osaka Dental University* 45(2):241–245, 2011

<学会発表（過去10年）>

Shun-ichiro Hirano. Patients with unresponsive wakefulness syndrome produce high-amplitude auditory steady-state response. XXV World Congress of Neurology (WCN 2021), October 3–7, 2021, Roma, Italy - Virtual

Shun-ichiro Hirano. The 40Hz-ASR may be a good predictor of conscious outcome in patients with severe head injury. 9th Federation of the Asian and Oceanian Physiological Societies (FAOPS) Congress (FAOPS 2019), March 30, 2019, Kobe, Japan

Shun-ichiro Hirano. Exploratory trial to determine an optimum parameter set for real-time neuromonitoring in cerebellopontine angle surgery. XXIV World Congress of Neurology (WCN 2019), October 30, 2019, Dubai, United Arab Emirates

Shun-ichiro Hirano, Yasuo Nishikawa. A real-time processing technique for 40 Hz auditory steady-state response: Exploratory application in cerebellopontine angle surgery. The 48th Annual Meeting of Society for Neuroscience (Neuroscience 2018), November 3, 2018, San Diego, California, USA

Shun-ichiro Hirano. Evoked EMG can identify each ventral root in spinal surgery: The introduction of an accurate and inexpensive technique. XXIII World Congress of Neurology (WCN 2017), September 17, 2017, Kyoto, Japan

Shun-ichiro Hirano, Yasuo Nishikawa. A real-time processing technique for 40 Hz auditory steady-state response: The parameters and effect of surgical interventions. The 47th Annual Meeting of Society for Neuroscience (Neuroscience 2017), November 13, 2017, Washington D.C., USA

Shun-ichiro Hirano. The auditory steady-state response can be a predictable index of conscious outcome in patients with severe head injury in the early stage. The 46th Annual Meeting of Society for Neuroscience (Neuroscience 2016), November 16, 2016, San Diego, California, USA

Tetsuya Fujimoto, Shun-ichiro Hirano, Yasuo Nishikawa. Pre-weaning behavioral manners in prenatal Bisphenol A treated rats. The 45th Annual Meeting of Society for Neuroscience (Neuroscience 2015), October 18, 2015, Chicago, Illinois, USA

Shun-ichiro Hirano. The use of 40Hz-ASR can predict conscious outcome in patients with severe head injury in the early stage. XXII World Congress of Neurology (WCN 2015), November 2, 2015, Santiago, Chile

Shun-ichiro Hirano, Tetsuya Fujimoto, Hiroshi Inoue, Kenji Uchihashi, Yasuo Nishikawa. Flow dynamics of classroom seating positions may predict achievement outcome in dental hygiene college students. The 44th Annual Meeting of Society for Neuroscience (Neuroscience 2014), November 15, 2014, Washington D.C., USA

Shun-ichiro Hirano, Yasuhito Tokumoto, Yasuo Nishikawa. Ablation of rat substantia nigra is a good acute model of Parkinson's disease for cell transplantation therapy. XXI World Congress of Neurology (WCN 2013), September 25, 2013, Vienna, Austria

Shun-ichiro Hirano, Yasuhito Tokumoto, Yasuo Nishikawa. An acute model of Parkinson's disease created by the ablation of rat substantia nigra. The 42nd Annual Meeting of Society for Neuroscience (Neuroscience 2012), October 17, 2012, New Orleans, Louisiana, USA

Shun-ichiro Hirano, Yasuhito Tokumoto, Yasuo Nishikawa. Ablation of rat substantia nigra may provide a good acute model of Parkinson's disease for stem cell transplantation. XXth World Congress of Neurology (WCN2011), November 13, 2011, Marrakesh, Morocco