Itami

Department of Neurosurgery, Itami Kousei Neurosurgical Hospital, Itami, Japan.

Publications

Nozoe M, Kubo H, Furuichi A, Kanai M, Yamamoto M, Kobayashi M, Shimada S, Mase K. Physical Activity, Physical Function, and Quadriceps Muscle Thickness in Male Patients with Sub-Acute Stroke during Hospitalization: A Pilot Study. Eur Neurol. 2018 Nov 21;80(3-4):157-162. doi: 10.1159/000494991. [Epub ahead of print] PubMed PMID: 30463057.

Nozoe M, Kamo A, Shimada S, Mase K. Neuromuscular electrical stimulation is ineffective for treating quadriceps muscle wasting with ruptured aneurysm: A case report. Ann Med Surg (Lond). 2018 Sep 20;35:90-94. doi: 10.1016/j.amsu.2018.09.011. eCollection 2018 Nov. PubMed PMID: 30294437; PubMed Central PMCID: PMC6170208.

3: Kobayashi K, Matsumoto F, Miyakita Y, Mori T, Shimoi T, Murakami N, Yoshida A, Arakawa A, Omura G, Fukasawa M, Matsumoto Y, Matsumura S, Itami J, Narita Y, Yoshimoto S. Impact of Surgical Margin in Skull Base Surgery for Head and Neck Sarcomas. J Neurol Surg B Skull Base. 2018 Oct;79(5):437-444. doi: 10.1055/s-0037-1615816. Epub 2018 Jan 9. PubMed PMID: 30210970; PubMed Central PMCID: PMC6133685.

Nozoe M, Yamamoto M, Kobayashi M, Kanai M, Kubo H, Shimada S, Mase K. Heart Rate Variability During Early Mobilization in Patients with Acute Ischemic Stroke. Eur Neurol. 2018 Sep 11;80(1-2):50-54. doi: 10.1159/000492794. [Epub ahead of print] PubMed PMID: 30205405.

2: Sasaki S, Kanai M, Shinoda T, Morita H, Shimada S, Izawa KP. Relation between health utility score and physical activity in community-dwelling ambulatory patients with stroke: a preliminary cross-sectional study. Top Stroke Rehabil. 2018 Jul 24:1-5. doi: 10.1080/10749357.2018.1492775. [Epub ahead of print] PubMed PMID: 30040601.

3: Kubo H, Nozoe M, Yamamoto M, Kamo A, Noguchi M, Kanai M, Mase K, Shimada S. Safety and Feasibility of the 6-Minute Walk Test in Patients with Acute Stroke. J Stroke Cerebrovasc Dis. 2018 Jun;27(6):1632-1638. doi: 10.1016/j.jstrokecerebrovasdis.2018.01.017. Epub 2018 Feb 21. PubMed PMID: 29429885.

4: Kanai M, Izawa KP, Kobayashi M, Onishi A, Kubo H, Nozoe M, Mase K, Shimada S. Effect of accelerometer-based feedback on physical activity in hospitalized patients with ischemic stroke: a randomized controlled trial. Clin Rehabil. 2018 Aug;32(8):1047-1056. doi: 10.1177/0269215518755841. Epub 2018 Feb 5. PubMed PMID: 29400070.

5: Nozoe M, Kanai M, Kubo H, Kobayashi M, Yamamoto M, Shimada S, Mase K. Quadriceps muscle thickness changes in patients with aneurysmal subarachnoid hemorrhage during the acute phase. Top Stroke Rehabil. 2018 Apr;25(3):209-213. doi: 10.1080/10749357.2017.1413762. Epub 2017 Dec 8. PubMed PMID: 29216792.

6: Igaki H, Harada K, Umezawa R, Miyakita Y, Ohno M, Takahashi M, Sumi M, Inaba K, Murakami N, Ito Y, Narita Y, Itami J. Outcomes of surgery followed by local brain radiotherapy compared with surgery

followed by whole brain radiotherapy for single brain metastasis. Tumori. 2017 Jul 31;103(4):367-373. doi: 10.5301/tj.5000657. Epub 2017 Jun 27. PubMed PMID: 28665470.

7: Nozoe M, Kanai M, Kubo H, Takeuchi Y, Kobayashi M, Yamamoto M, Furuichi A, Yamazaki M, Shimada S, Mase K. Efficacy of neuromuscular electrical stimulation for preventing quadriceps muscle wasting in patients with moderate or severe acute stroke: A pilot study. NeuroRehabilitation. 2017;41(1):143-149. doi: 10.3233/NRE-171466. PubMed PMID: 28527228.

8: Murai S, Itami H, Nishi K, Otsuka S, Kusaka N, Nishiura T, Ogihara K. Coronary Subclavian Steal Syndrome Successfully Treated with Subclavian Artery Stenting: A Report of 2 Cases. J Stroke Cerebrovasc Dis. 2017 Apr;26(4):e64-e68. doi: 10.1016/j.jstrokecerebrovasdis.2017.01.005. Epub 2017 Feb 2. PubMed PMID: 28162902.

9: Kanai M, Nozoe M, Izawa KP, Takeuchi Y, Kubo H, Mase K, Shimada S. Promoting physical activity in hospitalized patients with mild ischemic stroke: a pilot study. Top Stroke Rehabil. 2017 May;24(4):256-261. doi: 10.1080/10749357.2016.1259030. Epub 2016 Nov 24. PubMed PMID: 27881044.

10: Nozoe M, Kubo H, Furuichi A, Kanai M, Takashima S, Shimada S, Mase K. Validity of Quadriceps Muscle Thickness Measurement in Patients with Subacute Stroke during Hospitalization for Assessment of Muscle Wasting and Physical Function. J Stroke Cerebrovasc Dis. 2017 Feb;26(2):438-441. doi: 10.1016/j.jstrokecerebrovasdis.2016.10.006. Epub 2016 Nov 3. PubMed PMID: 27818029.

11: Nozoe M, Kanai M, Kubo H, Kitamura Y, Yamamoto M, Furuichi A, Takashima S, Mase K, Shimada S. Changes in Quadriceps Muscle Thickness, Disease Severity, Nutritional Status, and C-Reactive Protein after Acute Stroke. J Stroke Cerebrovasc Dis. 2016 Oct;25(10):2470-4. doi: 10.1016/j.jstrokecerebrovasdis.2016.06.020. Epub 2016 Jul 4. PubMed PMID: 27388709.

12: Murai S, Kusaka N, Umakoshi M, Itami H, Otsuka S, Nishiura T, Ogihara K. Stenting for Internal Carotid Artery Stenosis Associated with Persistent Primitive Hypoglossal Artery Using Proximal Flow Blockade and Distal Protection System: A Technical Case Report and Literature Review. J Stroke Cerebrovasc Dis. 2016 Jun;25(6):e98-e102. doi: 10.1016/j.jstrokecerebrovasdis.2016.03.026. Epub 2016 Apr 19. Review. PubMed PMID: 27105567.

13: Okamoto H, Hamada M, Sakamoto E, Wakita A, Nakamura S, Kato T, Abe Y, Takahashi K, Igaki H, Itami J. Log-file analysis of accuracy of beam localization for brain tumor treatment by CyberKnife. Pract Radiat Oncol. 2016 Nov - Dec;6(6):e361-e367. doi: 10.1016/j.prro.2016.01.008. Epub 2016 Jan 26. PubMed PMID: 27053497.

14: Nozoe M, Kitamura Y, Kanai M, Kubo H, Mase K, Shimada S. Physical activity in acute ischemic stroke patients during hospitalization. Int J Cardiol. 2016 Jan 1;202:624-6. doi: 10.1016/j.ijcard.2015.09.077. Epub 2015 Sep 25. PubMed PMID: 26447676.

15: Takano K, Kinoshita M, Arita H, Okita Y, Chiba Y, Kagawa N, Fujimoto Y, Kishima H, Kanemura Y, Nonaka M, Nakajima S, Shimosegawa E, Hatazawa J, Hashimoto N, Yoshimine T. Diagnostic and Prognostic Value of 11C-Methionine PET for Nonenhancing Gliomas. AJNR Am J Neuroradiol. 2016 Jan;37(1):44-50. doi: 10.3174/ajnr.A4460. Epub 2015 Sep 17. PubMed PMID: 26381556.

16: Kanai M, Kubo H, Kitamura Y, Izawa KP, Ono K, Ando H, Nozoe M, Mase K, Shimada S. Difference in autonomic nervous activity in different subtypes of noncardioembolic ischemic stroke. Int J Cardiol. 2015 Dec 15;201:171-3. doi: 10.1016/j.ijcard.2015.07.077. Epub 2015 Jul 30. PubMed PMID: 26298370.

17: Onishi H, Shirato H, Nagata Y, Hiraoka M, Fujino M, Gomi K, Karasawa K, Hayakawa K, Niibe Y, Takai Y, Kimura T, Takeda A, Ouchi A, Hareyama M, Kokubo M, Kozuka T, Arimoto T, Hara R, Itami J, Araki T. Stereotactic body radiotherapy (SBRT) for operable stage I non-small-cell lung cancer: can SBRT be comparable to surgery? Int J Radiat Oncol Biol Phys. 2011 Dec 1;81(5):1352-8. doi: 10.1016/j.ijrobp.2009.07.1751. Epub 2010 Jul 16. PubMed PMID: 20638194.

18: Oshiro Y, Aruga T, Tsuboi K, Marino K, Hara R, Sanayama Y, Itami J. Stereotactic body radiotherapy for lung tumors at the pulmonary hilum. Strahlenther Onkol. 2010 May;186(5):274-9. doi: 10.1007/s00066-010-2072-y. Epub 2010 Apr 26. PubMed PMID: 20437017.

19: Koga T, Morita A, Maruyama K, Tanaka M, Ino Y, Shibahara J, Louis DN, Reifenberger G, Itami J, Hara R, Saito N, Todo T. Long-term control of disseminated pleomorphic xanthoastrocytoma with anaplastic features by means of stereotactic irradiation. Neuro Oncol. 2009 Aug;11(4):446-51. doi: 10.1215/15228517-2008-112. Epub 2009 Jan 22. PubMed PMID: 19164434; PubMed Central PMCID: PMC2743225.

20: Fujimoto Y, Fujimoto Y, Kato A, Yoshimine T. Neuroendoscopic palliation for large cystic craniopharyngioma in an elderly patient. Br J Neurosurg. 2007 Dec;21(6):618-21. PubMed PMID: 18071993.

21: Onishi H, Shirato H, Nagata Y, Hiraoka M, Fujino M, Gomi K, Niibe Y, Karasawa K, Hayakawa K, Takai Y, Kimura T, Takeda A, Ouchi A, Hareyama M, Kokubo M, Hara R, Itami J, Yamada K, Araki T. Hypofractionated stereotactic radiotherapy (HypoFXSRT) for stage I non-small cell lung cancer: updated results of 257 patients in a Japanese multi-institutional study. J Thorac Oncol. 2007 Jul;2(7 Suppl 3):S94-100. PubMed PMID: 17603311.

22: Hara R, Itami J, Kondo T, Aruga T, Uno T, Sasano N, Ohnishi K, Kiyozuka M, Fuse M, Ito M, Naoi K, Kohno Y. Clinical outcomes of single-fraction stereotactic radiation therapy of lung tumors. Cancer. 2006 Mar 15;106(6):1347-52. PubMed PMID: 16475150.

23: Onishi H, Araki T, Shirato H, Nagata Y, Hiraoka M, Gomi K, Yamashita T, Niibe Y, Karasawa K, Hayakawa K, Takai Y, Kimura T, Hirokawa Y, Takeda A, Ouchi A, Hareyama M, Kokubo M, Hara R, Itami J, Yamada K. Stereotactic hypofractionated high-dose irradiation for stage I nonsmall cell lung carcinoma: clinical outcomes in 245 subjects in a Japanese multiinstitutional study. Cancer. 2004 Oct 1;101(7):1623-31. PubMed PMID: 15378503.

24: Hara R, Itami J, Komiyama T, Katoh D, Kondo T. Serum levels of KL-6 for predicting the occurrence of radiation pneumonitis after stereotactic radiotherapy for lung tumors. Chest. 2004 Jan;125(1):340-4. PubMed PMID: 14718465.

25: Hara R, Itami J, Kondo T, Aruga T, Abe Y, Ito M, Fuse M, Shinohara D, Nagaoka T, Kobiki T. Stereotactic single high dose irradiation of lung tumors under respiratory gating. Radiother Oncol. 2002 May;63(2):159-63. PubMed PMID: 12063005.

26: Hara R, Itami J, Aruga T, Kozuka T, Yamashita H, Abe Y, Fuse M, Kondo T, Shinohara D, Nagaoka T, Kobiki T. [Development of stereotactic irradiation system of body tumors under respiratory gating]. Nihon Igaku Hoshasen Gakkai Zasshi. 2002 Mar;62(4):156-60. Japanese. PubMed PMID: 12043219.

27: Higuchi M, Tsuji M, Ikeda H. Symptomatic hypophyseal granular cell tumour: endocrinological and clinicopathological analysis. Br J Neurosurg. 1997 Dec;11(6):582-6. PubMed PMID: 11013635.

28: Yamamoto T, Nishizawa Y, Tsuji M, Saitoh Y, Funai H, Hirai T, Sugihara A, Tsujimura T, Nakata Y, Ishiguro S, Terada N. Expression of vascular endothelial growth factor in normal pituitary cells and

pituitary neuroendocrine tumors producing adrenocorticotropic hormone. Endocr Pathol. 1999 Jun;10(2):157-64. doi: 10.1007/BF02739827. PubMed PMID: 27519219.

29: Higuchi M, Tsuji M, Fujimoto Y, Ikeda H. Spheno-orbital meningioma with unusual radiological features. Clin Neurol Neurosurg. 1998 Dec;100(4):288-91. PubMed PMID: 9879855.

30: Itami J, Shinohara D, Nagaoka T, Kobiki T, Abe Y, Kondo T, Uno T, Aruga M, Kuriyama K. [Easy graphical display of beam directions in three-dimensional converging radiation therapy: proposal for a radiation map]. Nihon Igaku Hoshasen Gakkai Zasshi. 1998 Nov;58(13):761-3. Japanese. PubMed PMID: 9866994.

31: Higuchi M, Fujimoto Y, Ikeda H, Kato A. Sinus pericranii: neuroradiologic findings and clinical management. Pediatr Neurosurg. 1997 Dec;27(6):325-8. PubMed PMID: 9655148.

32: Higuchi M, Fujimoto Y, Miyahara E, Ikeda H. Isolated dural metastasis from colon cancer. Clin Neurol Neurosurg. 1997 May;99(2):135-7. PubMed PMID: 9213059.

33: Ikeda H, Fujimoto Y, Koyama T, Fujimoto Y. [A rare case of high cervical spinal cord dural arteriovenous fistula presenting with intracranial subarachnoid hemorrhage]. No Shinkei Geka. 1994 Nov;22(11):1045-8. Review. Japanese. PubMed PMID: 7816174.

The health utility score in patients with stroke relates to physical, psychological, and various other factors. However, the relationship between the health utility score in patients with stroke and objective physical activity has not been clarified. Objective To clarify the relation between the health utility score and objective physical activity in community-dwelling ambulatory patients with stroke. Design A cross-sectional study. Method Patients who received outpatient consultation from a stroke certified nurse after discharge were recruited.

Sasaki et al., assessed health related quality of life with the EuroQoL 5-Dimension 3-Level questionnaire and calculated the health utility score.

They measured the daily number of steps taken as the index of objective physical activity using an accelerometer.

Twenty-two patients (72.7% men, 69.5 years old) were included. The health utility score was 0.78 ± 0.14. The physical activity value as indicated by the number of steps taken was 6276.3 ± 4640.7 steps. The health utility score showed a significant positive correlation with the number of steps taken ($r = 0.466$, $p = 0.029$).

The present study showed that the health utility score correlated significantly with objective physical activity in community-dwelling ambulatory patients with stroke. The more the patients with stroke walked, the higher their health utility score was. Further studies should assess other domains of health-related quality of life to comprehensively verify this relationship [1)].

1)

Sasaki S, Kanai M, Shinoda T, Morita H, Shimada S, Izawa KP. Relation between health utility score and physical activity in community-dwelling ambulatory patients with stroke: a preliminary cross-sectional study. Top Stroke Rehabil. 2018 Jul 24:1-5. doi: 10.1080/10749357.2018.1492775. [Epub ahead of print] PubMed PMID: 30040601.