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KEPUSTAKAAN

Aarts MM, Arundine M, Tymianski M, 2003. Novel concepts in excitotoxic neurodegeneration after stroke. *Expert Rev Mol Med* 16;5(30):1-22.

Abbas, A.K., Lichtman, A.H., 2007. Cytokine in Cellular and Molecular Immunology,5th ed, *Elseviers Sanders* pp 243 - 274.

Abegunde DO, Mathers CD, Adam T, Ortegon M, Kathleen S, 2007. The burden and costs of chronic diseases in low-income and middle-income countries. *Lancet* 370(9603):1929–38.

Abnova® ELISA Human NGF catalog 2014 Zhongli District, Taoyuan City 320 Taiwan.

Aguilar-Rebolledo F, Cedillo-Revira R, Llaguno-Violante,P, Torres-Lopez J, Munoz-Hernandez O, Antonioenciso-Moreno J, 2001. Interleukin Levels in Cerebrospinal Fluid from Children with Neurocysticercosis. *Am J Trop.Med Hyg* 64(1,2): 35-40.

Akira ST, Kishimoto TT,1993. Interleukin - 6 in biology and medicine. *Adv Immunol* 54: 1-78.

American Heart Association, 2012. About Stroke http://www.strokeassociation.org/STROKEORG/.

Anderson CS, Chakera TM, Stewart-Wynne EG, Jamrozik KD, 1994. Spectrum of primary intracerebral hemorrhage in Perth, Western Australia, 1989-1990: incidence and outcome. *J Neurol Neurosurg Psychiatry* 57: 936-940.

Andrew BT, Chiles BW, Olsen WL, Pitts LH, 1988. The effects of intracerebral hematoma location on the risk of brainstem compression and clinical outcome. *J Neurosurg* 69:518.

Andrew T, Laurence D, Neil D K, 2006. Biomarkers in Chronic Adult Hydrocephalus. *Cerebrospinal Fluid Research* 3:11.

Angelastro JM, Klimaschewski L, Tang S, Vitolo OV, Weismann TA, Donlin LT, Shelanski ML, Greene LA, 2000. Identifacation of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling. *Proc Natl Acad Sci USA* 97(19): 10424-10429.

Apuzzo ML, Heifetz MD, Weiss MH, Kurze T, 1977. Neurosurgical endoscopy using the side-viewing telescope. *J Neurosurg* 46 : 398-400.

Auer L, Deinsberger W, Niederkorn K, Gell G, Kleinert R, Schneider G, Holzer P, Bone G, Mokry M, Körner E, Kleinert G, Hanusch S,1989 Endoscopic surgery versus medical treatment for spontaneous intracerebral hematoma: a randomized study. *J Neurosurg* 70:530–535.

Bamford J, Sandercock PAG, Dennis MS, Burn J, Warlow CP, 1991. Classification and natural history of clinically identifiable subtype of cerebral infarction. *Lancet* 337: 1521-1526.

Batjer HH, Reisch JW, Allen BC, Plaizier LJ, Su CJ, 1990. Failure of surgery to improve outcome in hypertensive putaminal hemorrhage. *Arch Neurol* 47:1103.

Block F, Peters M, Nolden-Koch M, 2000. Expression of IL-6 in the ischemic penumbra. *Neuroreport* 11: 963–967.

Block F, Dihné M, Loos M. 2005. Inflammation in areas of remote changes following focal brain lesion. *Prog Neurobiol* 75(5):342-65.

UNIVERSITAS GADJAH MADA
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Broderick JP, Adams HP, Barsan W, Feinberg W, Feldmann E, Grotta J, Kase C, Krieger D, Mayberg M, Tilley B, Zabramski JM, Zuccarello M, 1999 . Guidelines for the management of spontaneous intracerebral hemorrhage: a statement for healthcare professionals from special writing group of Stroke Council, American Heart Association. *Stroke 30*: 905-915.

Broderick JP, Brott T, Tomsick T, Miller R, Huster G, 1993. Intracerebral hemorrhage more than twice as common as subarachnoid hemorrhage. J *Neurosurg* 78: 188-191.

Broderick JP, Connolly S, Feldmann E, Hanley D, Kase C, Krieger D, Mayberg M, Morgernstern L, Ogilvy CS, Vespa P, Zuccarello M, 2007. Guidelines for the Management of Spontaneous Intracerebral Hemorhage in Adults 2007 Update. *Stroke* 38: 2001-2023.

Brott T, Broderick J, Kothari R,Barsan W, Tomsick T, Sauerbeck L, Spilker J, Duldner J, Khoury J, 1997. Early hemorrhage growth in patients with intracerebral hemorrhage. *Stroke* 28(1):1-5.

Cao XZ, Ma H, Wang JK, Liu F, Wu BY, Tian AY, Wang LL, Tan WF, 2010. Postoperative cognitive deficits and neuroinflamation in the hippocampus triggered by surgical trauma are exacerbated in aged rats: *Proggress in Neuro-Psychopharmacology & Biological Psychiatry*(34) : 1426-1432

Caplan LR, 2009. *Caplan's stroke,* 4th Ed: a clinical approach. Fourth ed. Philadelphia, USA: Saunders Elsevier.: pp 28,29,44,54-59,65-66.

Cappabianca P, Esposito F, Cavallo LM & Corriero OV, 2010. Instruments. In *Cranial, Craniofacial and Skull Base Surgery* : 7-15, Springer Milan.

Chao, M. V. 2003 Neurotrophins and their receptors: a convergence point for many signalling pathways. *Nat. Rev. Neurosci* 4, 299–309.

Chen X, Yang H, Czherig Z, 1992: A prospective randomized trial of surgical and conservative treatment of hypertensive intracranial haemorrhage. Acta *Acad Med Shanghai* 19:237–240.

Cheng X-C, Wu J-S, Zhou X-P, 2001. The randomized multicentric prospective controlled trial in the standardized treatment of hypertensive intracerebral hematomas: the comparison of surgical therapeutic outcomes with conservative therapy. *Chinese Journal of Clinical Neurosciences* 9(4):365–8.

Cho DY, Chen CC, Chang CS, Lee WY, Tso M, 2006. Endoscopic surgery for spontaneous basal ganglia hemorrhage: comparing endoscopic surgery, stereotactic aspiration, and Craniotomy in noncomatous patients. *Surg Neurol* 65 (6):547-556.

Christensen MC, Broderick J, Vincent C , Morris S, Steiner Tl, 2009. Global differences in patient characteristics, case management and outcomes in intracerebral hemorrhages: the Factor Seven for Acute Hemorrhagic Stroke Trial.*Cerebrovasc Dis* 28:55-64.

Cinnali G, Cappabianca P, de Falco R, Spennato P, Cianciulli E, Cavallo LM, Esposito F, Ruggiero C, Maggi G, de Diviitis E, 2005. Current state and future development of intracranial Neuroendoscopic surgery. *Expert Rev Med Devices* 2: 351-373.

Claassen J, Jetté N, Chum R, Green, Schmidt M, Choi H, Jirsch J, Frontera JA, Connoly ES, Emerson RG, Mayer SA, Hirsch LJ, 2007. Electrographic

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seizures and periodic discharges after intracerebral hemorrhage. *Neurology* 69:1356.

Cordonnier C, Al-Shahi S ,Alman R, Wardraw J , 2007: Spontaneous brain microbleeds: systematic review, subgroup analyses and standards for study design and reporting. *Brain 8:*1998-2003.

Counsel C, Boonyakarnkul S, Dennis M, Sandercock P, Bamford J, Burn J, Warlow C,1995. Primary intracerebral hemorrhage in Oxfordshire Community Stroke Project, 2: prognosis. *Cerebrovasc Dis* 5:26-34.

Croston G. 2000. Nerve Growth Factor (NGF) pathway. USA; *Biocarta.*

Darnell J, Lodish HF, Baltimore D 1990. Molecular cell Biology. 2nd ed. New York : Scientific American Books.

del Zoppo G, Ginis I, Hallenbeck JM, Iadecola C, Wang X, Feuerstein GZ, 2000. Inflammation and stroke: putative role for cytokines, adhesion molecules and iNOS in brain response to ischemia. *Brain Pathol* 10: 95-112.

Dénes Z, Lantos A, Szél I, Thomka M, Vass M, Barsi P, 2010. (Significance of Hydrocephalus following severe brain injury during post-acute rehabilitation). *Ideggyogy Sz* 63(11-12): 397-401. Hungarian.

Dennis MS, 2003. Outcome after brain hemorrhage. *Cerebravasc Dis* 16 (Suppl1): 9 - 13.

Dihne, M, Peters, M, Block, F, 2001. Interleukin-6 expression in exo-focal neurons after striatal cerebral ischemia. *Neuroreport* 12: 3143–8.

Dinarello CA, 1998. Interleukin-1, Interleukin-1 Receptors and interleukin-1 Receptor Antogonist. *Int Rev Immunol* 16: 457-499.

Dinarello C A, Donath MY, Manddroup-Poulsen T, 2010. Role of IL 1β in type 2 Diabetes. *Curr Opin Endocrinol Diabetes Obes* 17(4) : 314-21.

Dinarello CA, 2010. IL 1: discoveries, controversies and future directions. *Eur J Immunol* 40(3):599-601 Rev.

Dirnagl U, Klehmet J, Braun J, Harms H, Meisel C, Ziemsen T, Prass K, Meisel A, 2007. Stroke-induced immunodepression experimental evidence and clinical relevance. *Stroke 38:* 770-73.

Emsley HC, Smith CJ, Georgiu RF, Vail A, Barberan EM, Rothwell NJ, Tyrrell PJ, Hopkins SJ, 2005. Interleukin-6 and acute ischaemic stroke. *Acta Neurol Scand* 112(4): 273-4.

Engval E, Perlmann P, 1972. Enzyme-linked immunosorbent assay, ELISA.III. Quantitation of specific antibody by enzyme-labelled anti-immunoglobulin in antigen coated tubes. *The Journal of Immunology* 109: 129-135.

Esposito F, Cappabianca P, 2013. Neuroendoscopy: General Aspects and Principles. *World Neurosurg* 79, 2S: S14.e7-S14.e9 Rev.

Feigin VL, Lawes CM, Bennett DA, Barker-Collo SL, Parag V, 2009. Worldwide stroke incidence and early case fatality reported in 56 population-based studies: a systematic review. *Lancet Neurol* 8(4):355–69.

Fischer G, Oertel J, Perneczky A, 2012. Endoscopy in aneurysm surgery. *Neurosurgery* 70(2):184-90.

Flaherty ML, Woo D, Haverbusch M, Sekar P, Khoury J, Sauerbeck L, Moomaw CJ, Schneider A, Kissela B, Kleindorfer D, Broderick JP, 2005. Racial variations in location and risk of intracerebral hemorrhages. *Stroke* 36 : 934-7.

UNIVERSITAS GADJAH MADA
UJI KLINIK KENDALI ACAK KOMPARASI PENGGUNAAN NEUROENDOSKOPI DENGAN KRANIOTOMI PADA EVAKUASI
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Flaherty ML, Haverbusch M, Sekar P, Kissela B, Kleindorfer D, Moomaw CJ, Sauerbeck L, Schneider A, Brodeerick JP, WooD, 2006. Long-term mortality after intracerebral hemorrhage . *Neurology 66:1182*–1186.

Foulkes MA, Wolf PA, Price TR, Mohr JP, Hier DB, 1988. The Stroke Data bank design, methods and baseline characteristics. *Stroke* 19 : 547-54.

Fujii Y, Takeuchi S, Sasaki O, Minakawa T, Tanaka R. 1998. Multivariate analysis of predictors of hematoma enlargement in spontaneous intracerebral hemorrhage. *Stroke* 29:1160-6.

Gaab MR, 2013. Instrumentation: Endoscopes and Equipment. *World Neurosurgery 79*(2 Suppl): S14-e11.

Gebel JM, Sila CA, Sloan MA, Granger C B, Mahaffey KW, Weisenberger J & Topol EJ,1998. Thrombolysis-related intracranial hemorrhage: a radiographic analysis of 244 cases from the GUSTO-1 trial with clinical correlation. *Stroke* 29(3):563-69.

Gebel JM, Brott TG,Sila CA, Sloan MA, Granger CB, Mahaffey KW, Weissenberger J, Green CL, White HD, Gore JM, Weaver WD, Califf RM, Topol EJ, 2000. Decreased perihematomal edema in thrombolysis-related intracerebral hemorrhage compared with spontaneous intracerebral hemorrhage. *Stroke* 31:596-600.

Gebel JM, Broderick JP, 2000. Intracerebral hemorrhage. *Neurol Clin* 18: 419 – 438.

Gertz K, Kronenberg G, Kalin RE, Baldinger T, Werner C, Balkaya M, Eom GD, Hellmann Regen J, Krober J, Miller KR, Lindauer U, Laufs U, Dirnagl U, Heppner FL, Endres M, 2012. Essential role of interleukin-6 in post-stroke angiogenesis. *Brain*135(Pt6):1964–1980.

Gioldasis G, Talelli P, Chroni E, Daouli J, Papapetropoulos T, Ellul J, 2008. In-hospital direct cost of acute ischemic and hemorrhagic stroke in Greece. *Acta Neurol Scand* 118: 268–274.

Goldstein JN, Fazen LE, Snider R, Schwab K, Greenberg SM, Smith EE, Lev MH, Rosand J, 2007. Contrast extravasation on CT angiography predicts hematoma expansion in intracerebral hemorrhage. *Neurology* vol 68 (12):889-894.

Godoy DA, Pinero GR, Svampa S, Papa F, Di Napoli M, 2008. Hyperglycemia and shot-term outcome in patients with spontaneous intracerebral hemorrhages. *Neurocit Care* 9:217-9.

Gong C, Hoff JT, Keep RF, 2000. Acute inflammatory reaction following experimental intracerebral hemorrhage. *Brain Res* 871:57-65.

Gong Y, Hua Y, Keep RF, Hoff JT, Xi G, 2004. Intracerebral hemorrhage effects of aging on brain edema and neurological deficits. *Stroke* 35:2571-75.

Gotoh S, Hata J, Ninomiya T, Hirakawa Y, Nagata M, Mukai N, Fukuhara M, Ikeda F, Shikata K, Kamouchi M, Kitazono T, Kiyohara Y, 2014.Trends in the incidence and Survival of intracerebral Hemorrhage by its Location in a Japanese Community – The Hisayama Study . *Circulation Journal* 78: 403-9.

Grasso G, 2004. An overview of new pharmacological treatments for cerebrovascular dysfunction after experimental subarachnoid hemorrhage. *Brain Res Rev* 44(1): 49-63.

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UJI KLINIK KENDALI ACAK KOMPARASI PENGGUNAAN NEUROENDOSKOPI DENGAN KRANIOTOMI PADA EVAKUASI
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Grube MM, Koennecke HC, Walter G, Meisel A, Sobesky J, Nolte CH, Welwood I, Heuschmann PU, 2013. Influence of acute complications on outcome 3 months after ischemic stroke. *PLoS One* 24: e75719.

Handojo I, Edijanto SP, Hendromartomo, Soedjono, 1981. Peranan ELISA (Enzyme Linked Immunosorbent Assay) dalam imunodiagnosa suatu penyakit. *Naskah lengkap Simposium Alergi dan Imunologi* Surabaya.

Handojo I, 1985. Teknik ELISA kompetitif untuk penentuan kadar T4 serum. *Naskah lengkap Lokakarya Imunologi Diagnostik dan Aplikasi Klinik. Unit Imunologi FK Unair* pp 53-61.

Hayashi M, Kobayashi H, Kawano H, Handa Y, Hirose S, 1988.Treatment of systemic hypertension and intracranial hypertension in cases of brain hemorrhage. *Stroke* 19:314.

He X, Garcia, KC, 2004. Structure of Nerve Growth Factor Complexed with the Shared Neurotrophin p75. *Science* 304(5672): 870-875.

Horstmann S, Rizos T, Jenetzky E , Gumbinger C, Hacke W, Veltkamp R, 2014. Prevalence of atrial fibrillation in intracerebral hemorrhage. *Eur J Neurol* 21:570-576.

Hsieh PC, Cho DY, Lee WY, Chen JT, 2005. Endoscopic evacuation of putaminal haemorrhage: how to improve the efficiency of hematoma evacuation. *Surg Neurol* 64: 147–153

Hua Y, Keep RF, Hoff JT, Xi G, 2003. Thrombin preconditioning attenuates brain edema induced by erythrocytes and iron. *J Cereb Blood Flow Metab* ; 23: 1448-54.

Huang E J & Reichard L F 2003. Trk receptors: roles in signal transduction. *Annu Rev Biochem* 72, 609–642.

Huang F, Xi G, Keep RF, Hua Y, Nemoianu A, Hoff JT, 2002. Brain edema after experimental intracerebral hemorrhage: role of hemoglobin degradation products. *J Neurosurg* 96:287-93.

Huang T.J, Hsu R.W-W, Li Y-Y, Chen C-C, 2005. Less systemic cytokine response in patient following microendoscopic versus open lumbar discectomy. *Jour of Ortho Res* (23) : 406-411.

Hulley SB, Cummings SR, Browner WS, Grady D, Hearst N, Newman, 2001. *Designing Clinical Research* 2nd ed : 65 – 91.

Ibrahim A, Makruf AZ, 2007. Pertemuan Ilmiah Tahunan PERSPEBSI (Perhimpunan Spesialis Bedah Saraf Indonesia), Makasar. Neuroendoscopic *intervention in* Abdul Wahab Sjahranie General Hospital Samarinda.

Ingall T, 2004. Stroke- Incidence, mortality, morbidity and risk. *J Insur Med* 36(2):143-52.

Ishimaru H, Takahashi A,Ikarahashi Y, and Maruyama Y. 1998. NGF Delays Rather than Prevents the Cholinergic Terminal Damage and Delayed Neuronal Death in the Hippocampus after Ischemia. *Brain Res* 789:194-200.

Jennett B, Bond M, 1975. Assessment of outcome after severe brain damage. *Lancet* 1 (7905): 480–484.

Jorgensen H, Nakayama H, Raaschou HO, Oslen TS, 1994. Stroke in patients with diabetes: The Copenhagen Stroke Study. *Stroke* 25:1977-1984.

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Jung JE, Kim GS, Chan PH, 2011. Neuroprotection by interleukin-6 is mediated by signal transducer and activator of transcription 3 and antioxidative signaling in ischemic stroke. *Stroke* 42(12):3574–3579.

Juvela S, Heiskanen O, Poranen A, Valtonen S, Kuurne T, Kaste M, Troupp H, 1989. The treatment of spontaneous intracerebral hemorrhage. A prospective randomized trial of surgical and conservative treatment. *J Neurosurg* 70:55–758.

Kamel H, Bartz TM, Longstreth Jr WT, Okin PM, Thacker EL, Patton KK, Stein PK, Gottesman RF, Heckbert SR, Kronmal RA, Elkind MSV, Soliman EZ, 2015. Association between Left Atrial Abnormality on ECG and Vascular Brain injury on MRI in the Cardiovascular Health Study. *Stroke* 46(3) : 711-716 .

Kanaya H, Kuroda K, 1992. Development in neurosurgical approaches to hypertensive intracerebral hemorrhage in Japan, in Kaufman HH (ed). *Intracerebral Hematomas*. New York - Raven Press : 197–210.

Kaplan E, Dinarelo CA, Gelfand JA, 1989. Interleukin -1 and the response to injury. *Immunol Res* 8:118-29.

Kaste M, Fogelholm R, Rissanen A,1998. Economic burden of stroke and the evaluation of new therapies. *Public Health* 112(2):103-112.

Kawamoto, K, Aoki J, Tanaka A, Itakura A, Hosono H, Arai H, Kiso Y, Matsuda H, 2002. Nerve Growth Factor Activates Mast cells Through Collaborative Interaction with Lipophosphatidylserine Expressed on the Membrane Surface of Activated Platelets. *The Journal of Immunology* 168:6412-6419.

Kawasaki Y, Zhang L, Cheng JK, Ji RR, 2008. Cytokine Mechanisms of Central Sensitization: Distinct and Overlapping Role of IL1β, Interleukin-6, and Tumor Necrosis Factor-α in Regulating Synaptic and Neuronal Activity in the Superficial Spinal Cord. *The Journal of Neuroscience* 28(20):5189 –5194.

Kelompok Studi Serebrovaskuler PERDOSSI, Guidelines Stroke 2004, hal 6 -23.

Kelompok Studi Serebrovaskuler PERDOSSI, Guidelines Stroke 2011, hal 82-89.

Kim JY, Kawabori M, Yenari MA, 2014. Innate inflammatory responses in stroke: mechanisms and potential therapeutic targets. *Curr Med Chem* 21(18): 2076-97.

Kimura K, Iguchi Y, Inoue T, Shibazaki T, Matsumoto N, Kobayashi K, Yamashita S , 2007. Hyperglycemia independently increases the risk of early death in acute spontaneous intracerebral hemorrhages. J *Neurol Sci* 255:90-94.

Koennecke HC, Belz W, Berfelde D, Endres M, Fitzek S, Hamilton F, Kreitsch P, Mackert BM, Nabavi D.G, Nolte C.H, Pöhls W, Schmehl I, Schmitz B, von Brevern M, Walter G, Heuschmann P.U, 2011. Factors influencing in-hospital mortality and morbidity in patients treated on a stroke unit. *Neurology* 77:965-972.

Kossmann T, Hans V, Imhof HG, Trentz O, Morganti-Kossmann MC, 1996. Interleukin-6 released in human cerebrospinal fluid following traumatic brain injury may trigger nerve growth factor production in astrocytes. *Brain Res* 713:143–152.

Kwak R, Kasoya R, Suzuki T, 1983. Factors affecting the prognosis in Thalamic hemorrhage. *Stroke*`14:493-500.

Kwon BK, Stammers AM, Belanger LM, Bernardo A, Chan D, Bishop CM, Slobogean GP, Zhang H, Umedaly H, Giffin M, Street J, Boyd MC, Paquette SJ, Fisher

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CG, Dvorak MF, 2010. Cerebrospinal fluid inflammatory cytokines and biomarkers of injury severity in acute human spinal cord injury. *Journal of Neurotrauma* 27(4): 669-682.

Lapschak PA, 2002. Hemorrhagic transformation following ischemic stroke: significance, causes, and relationship to the therapy and treatment. *Curr Neurol Neurosci Rep* 2(1) : 38-43.

Lemeshow S, Hosmer DW, Klar J & Lwanga SK, 1990 Adequacy of sample size in health studies. New York, Wiley.

Liang D-Y, Li X Q, Li WW, Fiorino D, Qiao Y, Sahbaie P, Yeomans, D C, Clark J.D, 2010. Caspace-1 modulates incisional sensitization and inflammation. *Anesthesiology* 113(4): 945-56.

Lin E, Calvano SE, Lowry SF, 2000. Inflammatory cytokines and cell response in surgery. *Surgery* 127:117–126.

Longatti PL, Martinuzzi A, Fiorindi A, Maistrello L, Carteri A, 2004. Neuroendoscopic Management of Intraventricular Hemorrhage. *Stroke* 35: e35-e38.

Lu B, Pang PT & Woo NH, 2005. The yin and yang of neurotrophin action. *Nat Rev Neurosci* 6: 603–614.

Lyden PD, Zivin JA, 1993. Hemorrhagic transformation after cerebral ischemia: mechanisms and incidence. *Cerebrovasc Brain Metab* Rev 5(1): 1-16.

Lynch JR, Blessing R, White WD, Grocott HP, Nemann MF, Laskowitz DT, 2004. Novel Diagnostic Test for Acut Stroke. *Stroke* 35 : 57-63.

Maia LF, Vasconcelos C, Seixas S, 2006. Lobar brain hemorrhages and white matter changes: clinical, radiological and laboratorial profiles. *Cerebrovasc Dis* 22: 155-6.

MacLean C and Ferreiro D, 2004. Mechanism of Hypoxic-Ischemic Injury in the Term Infant. *Semin Perinatol* 28:425-432.

Mathiesen T, Andersson B, Loftenius A, von Holst H.1993. Increased interleukin-6 levels in cerebrospinal fluid following subarachnoid hemorrhage. *J Neurosurg* 78: 562–7.

March CJ, Mosley B, Larsen A, Cerretti DP, Braedt G, Price V, Gillis S, Henney CS, Kronheim SR, Grabstein K, Conlon PJ, Hopp TP, Cosman D, 1985. Cloning, sequence and expression of two distinct human interleukin-1 complementary DNAs.complementary DNAs. *Nature* 315: 614-7.

Martin-Ancel A, García-Alix A, Pascual-Salcedo D, Cabañas F, Valcarce M, Quero J, 2006. Interleukin-6 in the Cerebro Spinal Fluid After Perinatal Asphyxia is Related to Early and Late Neurological Manifestations. *Pediatrics* 100(5): 789-794.

Mayer SA, Rincon F, 2013. The Epidemiology of Intracerebral Hemorrhage in the United States from 1979 to 2008. *Neurocrit Care* 19: 95–102.

Mendelow AD, Gregson BA, Rowan EN, Murray GD, Gholkar A, Mitchell PM , 2005: Early surgery versus initial conservative treatment in patients with spontaneous supratentorial intracerebral hematomas in the International Surgical Trial in Intracerebral Haemorrhage (STICH); a randomized trial. *Lancet* 365:387.

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Mendelow AD, Gregson BA, Rowan EN, Murray GD, Gholkar A, Mitchell PM, 2013. Early surgery versus initial conservative treatment in patients with spontaneous supratentorial lobar intracerebral haematomas (STICH II): a randomised trial. *The Lancet* 382 (9890) : 397- 408.

Miller CM, Vespa PM, McArthur DL, Hirt D, Etchepare M, 2007. Frameless stereotactic aspiration and thrombolysis of deep intracerebral hemorrhage is assosciated with reduced levels extracelluler cerebral glutamate and unchanged lactate pyruvate ratios. *Neurocritical Care* 6(1) : 22-9.

Misbach J. Epidemiology of stroke in ASEAN countries, 1997. *Neurol J Southeast Asia* 2: 95–96.

Moher D, Hopewell S, Schulz KF, Montori V, Gøtzsche PC, Devereaux PJ, Elbourne D, Egger M, Altman DG, 2010. CONSORT 2010 Explanation and Elaboration: updated guidelines for reporting parallel group randomised trials. *Journal of Clinical Epidemiology* 63: e1- e37.

Moher D, Liberati A, Tetzlaff J, Altman DG and the PRISMA Group, 2009. Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA statement. *Ann Intern Med* 151:264-269.

Morgenstern LB, Frankowski RF, Shedden P, Pasteur W, Grotta JC, 1998. Surgical treatment of intracerebral hemorrhage (STICH): a single-center randomized clinical trial. *Neurology* 51:1359–1363.

Morgenstern LB, Hemphill III JC, Anderson C, Becker K, Broderick JP, Connolly Jr ES, Greenberg SM, Huang JN, Macdonald RL, Messé SR, Mitchell PH, Selim M, Tamargo RJ, 2010. Guidelines for the Management of Spontaneous Intracerebral Hemorrhage - A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. *Stroke* 41: 2108-2129.

Morris JH, Cotran RS, Kumar V, Robbin SL, 1999,. The nervous system: In Pathologic basis of disease. 3rd ed. *Philadelphia: WB Saunders* 1385 – 450.

Muiz AJ, Abdullah J, Naing NN, Ghazaime G, Ariff AR, 2003. Spontaneous Intracerebral Hemorrhage in Northeast Malaysian Patients: A Four-Year Study. *Neuroepidemiology 22:184*-195.

Murray CJL, Lopez AD, 1997. Mortality by cause for eight regions of the world: Global Burden of Disease Study. *Lancet* 349:1269-76.

Mutlu N, Berry RG, Alpers BJ, 1963. Massive cerebral hemorrhage: clinical and pathological correlations. *Arch Neurol* 8: 644-61.

Nagasaka T,Inao S, Ikeda H, Tsugeno M, Okamoto T, 2008. Inflation-deflation method for endoscopic evacuation of intracerebral haematoma. *Acta Neurochir* (Wien) 150: 685-690.

NagasakaT, Tsugeno M, Ikeda H, Okamoto T, Takagawa Y, Inao S, Wakabayashi T, 2009. Balanced irrigation suction technique with a multifunctional suction cannula and its application for intraoperative hemorrhage in endoscopic evacuation of intracerebral hematomas: Technical note. *Neurosurgery* 65: E826-E827.

Nagasaka T, Tsugeno M, Ikeda H, Okamoto T, Inao S, Wakabayashi T, 2013. Early Recovery and Better Evacuation Rate in Neuroendoscopic Surgery for Spontaneous Intracerebral Hemorrhage Using a Multifunctional Cannula:

UNIVERSITAS GADJAH MADA
UJI KLINIK KENDALI ACAK KOMPARASI PENGGUNAAN NEUROENDOSKOPI DENGAN KRANIOTOMI PADA EVAKUASI
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Preliminary Study in Comparison With Craniotomy. *J.of Stroke and Cerebrovasc Dis* 20(3): 208-213.

Nagashima H, Morio Y, Yamane K, Nanjo Y, and Teshima R, 2009. Tumor necrosis factor-α, interleukin1β, and interleukin 6 in the cerebrospinal fluid of patients with cervical myelopathy and lumbar radiculopathy. *Eur Spine J* 18(12): 1946–1950..

Nakano T, Ohkuma H, 2003. Surgery versus conservative treatment for intracerebral hemorrhages – comparison with traditional therapy. *Minim Invasive Neurosurg* 46: 276-83.

Nakano T, Ohkuma T, 2005. Surgery versus conservative treatment for intracerebral hemorrhages: is there an end to the long controversy? *Lancet* 365:361.

Nishihara T, Teraoka A, Morita A, Ueki K, Takai K, KirinoT, 2000. A transparent sheath for endoscopic surgery and its application in surgical evacuation of spontaneous intracerebral hematomas. Technical note. *J Neurosurg* 92(6):1055.

Nishihara T, Morita A, Teraoka A, Kirina T, 2007. Endoscopy-guided removal of spontaneous intracerebral hemorrhage: comparison with computer tomography-guided stereotactic evacuation. *Childs Nerv Syst* 23: 677-683.

O'Donnell MJ, Xavier D, Liu L, Zhang H, Chin SL, Rao-Melacini P, Rangarajan S, Islam S,Pais P,McQueen MJ,Mondo C,Damasceno A, Lopez-Jaramillo P,Hankey GJ,Dans AL,Yusoff K, Truelsen T, Diener HC, Sacco RL, Ryglewicz D,Czlonkowska A, 2010. Risk factor for ischemic and intracerebral haemorrhagic stroke in 22 countries (the Interstroke study) : a case control study. *Lancet* 376:112-23.

Oppenheimer SM, Gelb A, Girvin JP,Hachinski CP, 1992. Cardiovascualr effect of human insular cortex stimulation. *Neurology* 42:1727-1732.

Osuka K, Suzuki Y, Tanazawa T, Hattori K, Yamamoto N, Takayasu M, Shibuya M, Yoshida J, 1998. Interleukin 6 and development of vasospasm after subarachnoid haemorrhage. *Acta Neurochir (Wien)* 140:943–51.

Pan W, Kastin AJ, 2007. Tumor necrosis factor and stroke: role of the blood-brain barrier. *Prog Neurobiol* 83 (6): 363–374.

Passero S, Ciacci G, Ulivelli M, 2003. The influence of Diabetes and hyperglycemia on clinical outcome after intracerebral hemorrhage. *Neurology* 61:1351-6.

Perneczky A, Fries G. 1997. Endoscope-assisted Brain Surgery: Part 1-Evolution, Basic Concept, and Current Technique. *Neurosurgery* 42(2): 219-224.

Piepgras U, Rieger P. 1981. Thalamic bleeding: diagnosis, course and prognosis. *Neuroradiology* 22:85-91.

Pocock SJ, 1988. *Clinical Trials. A Practical Approach* pp : 74.

Portsmann T, Kiesig ST,. 1993. Enzyme Immunoassay techniques. An overview. *Journal of Immunological Methods.* 15:5-21.

Powers WJ, Zazulia A.R,VideenT.O, Adams R.E,Yundt K.D, Aiyagari V, Grubb Jr R.L, Diringer M.N. Autoregulation of cerebral blood flow surrounding acute (6 to 22 hours) intracerebral hemorrhage. *Neurology* 57 (1):18-24.

Purushothaman S, SAlmani D, Prarthana KG, Bandelkar SMG, Varghese S, 2014. Study of ECG changes and its relation to mortality in cases of cerebrovascular accidents. *J Nat Sci Biol Med* 5(2):434-6.

UNIVERSITAS GADJAH MADA
UJI KLINIK KENDALI ACAK KOMPARASI PENGGUNAAN NEUROENDOSKOPI DENGAN KRANIOTOMI PADA EVAKUASI
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Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

Qiu Y, Lin Y, Tian X, Luo Q, 2003. Hypertensive intracranial hematomas: endoscopic-assisted keyhole evacuation and application of patient viewing dissector . *Chin Med Jur (Engl)* 116:195-9.

Quantikine® ELISA Human IL-1β, 2014. Catalog Number HSLB00C, SSLB00C, PHSLB00C. R&D Systems, Inc, Minneapolis, United States of America.

Quantikine®ELISA Human IL-6, 2014. Catalog Number HS600B R&D Systems, Inc, Minneapolis, United States of America.

Qureshi AI,Wilson DA, Hanley DF,Traystman RJ,1999. No evidence for an ischemic penumbra in massive experimental intracerebral hemorrhage. *Neurology 52*(2): 266-272.

Qureshi AI, Geocadin RC, Suarez JI, Ulatowski JA, 2000. Long-term outcome after medical reversal of transtentorial herniation in patients with supratentorial mass lesions. *Crit Care Med* 28:1556.

Qureshi AI, Tuhrim S, Broderick JP, Batjer H.H, Hondo H,. Hanley DF, 2001. Spontaneous Intracerebral Hemorrhage . *N Engl J Med* 344: 1450 – 1460. Qureshi AI, Hanel RA, Kirmani JF, Yahia AM & Hopkins LN, 2002. Cerebral blood flow changes associated with intracerebral hemorrhage. *Neurosurgery clinics of North America* 13(3): 355-370.

Rabinstein AA, Atkinson JL, Wijdicks EFM, 2002. Emergency Craniotomy in patients worsening due to expanded cerebral hematoma. To what purpose? *Neurology* 58:1367.

Rallidis LS, Vikelis M, Panagiotakos DB, Rizos I, Zolindaki MG, Kaliva K, Kremastinos DT, 2006. Inflammatory markers and in-hospital mortality in acute ischaemic stroke. *Atherosclerosis* 189(1):193–197.

Ramon Luengo-Fernandez, Alastair M. Gray and Peter M. Rothwell, 2009. Costs of Stroke Using Patient-Level Data: A Critical Review of the Literature. *Stroke 40*; e18-e23.

Relton JK, Martin D, Thompson RC, Russell DA. 1996. Peripheral administration of Interleukin 1 Receptor antagonist inhibits brain damage after focal cerebral ischemia in the rat. *Exp Neurol* 138: 206–213.

Riset Kesehatan Dasar tahun 2013, Badan Penelitian dan Pengembangan Kesehatan, Kementerian Kesehatan RI.

Ropper AH, Samuels MA, Klein J.P. 2014. Cerebrovascular Diseases. In Ropper AH, Samuels MA, Klein JP (Eds), *Adams & Victor's Principles of Neurology, 10e*. Chapter 34.

Rothwell PM, 2001. The high cost of not funding stroke research: a comparison with heart disease and cancer. *Lancet* 357: 1612.

Sacco S, Marini C, Toni D, Olivieri L, Carolei A, 2009. Incidence and 10-year survival of intracerebral hemorrhage in a population-based registry. *Stroke* 40:394–9.

Salehi A, Delcroix JD , Swaab D F, 2004. Alzheimer's disease and NGF signaling. *Journal of Neural Transmission* 111(3) : 323-345.

Sarrafzadeh A, Schlenk F, Gericke C, Vajkoczy P, 2010. Relevance of Cerebral Interleukin 6 After Aneurysmal Subarachnoid Hemorrhage. *Neurocrit Care* 13:339–346.

Sastroasmoro S, Ismael S, 2015. *Dasar-dasar Metodologi Penelitian Klinis* ; *Sagung Seto* Ed 5: 200-204,514.

UNIVERSITAS GADJAH MADA
UJI KLINIK KENDALI ACAK KOMPARASI PENGGUNAAN NEUROENDOSKOPI DENGAN KRANIOTOMI PADA EVAKUASI
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Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

Sayoko I, Nakajima K, Fukada T, Hibi M, Nagata S, Hirano T, Fukui Y, 1997. Dual Control of Neurite outgrowth by STAT3 and MAPkinase in PC12 cells stimulated with interleukin 6. *The EMBO Journal* 16:5345-5352.

Schrott VL,1978. Enzyme Immunoassay. Ein neue technik fur das photometrische laboratorium. *Arzneimittel-Forschung* 28: 1934-40.

Schuurs AHWM, van Weemann WK,1977. Enzyme Immunoassay. *Clinica Chemica Acta* 81: 1-40.

Seto SW, Kwan YW, Ngai SM. 2006. Modulatory effect of interleukin-1beta on rat isolated basilar artery contraction. *Eur J Pharmacol* 531: 238–245.

Shiber JR, Fontane E, Adewale A, 2010. Stroke registry: hemorrhagic vs ischemic strokes. *Am J Emerg Med* 28(3):331-3.

Shiozaki T, Hayakata T,Tasaki O, Hosotubo H, Fuijita K, Mouri T, Tajima G, Kajino K, Nakae H, Tanaka H, Shimazu T, Sugimoto H, 2005. Cerebrospinal fluid concentrations of anti-inflammatory mediators in early-phase severe traumatic brain injury. *Shock* 23: 406-410.

Shooter EM, 2001. Early days of the nerve growth factor proteins. *Annu Rev Neurosci* 24: 601–629.

Smith, C.J., Emsley HC, Gavin CM, Georgiou RF, Vail A, Barberan EM, del Zoppo GJ, Hallenbeck JM, Rothwell NJ, Hopkins SJ, Tyrell PJ, 2004. Peak plasma interleukin - 6 and other peripheral markers of inflammation in the first week of ischemic stroke correlate with brain infarct volume, stroke severity and longterm outcome. *BMC Neurol* 4:2.

Sozen T, Tsuchiyama R, Hasegawa Y, Suzuki H, Jadhav V, Nishizawa S, Zhang JH, 2009. Role of Interleukin-1β in Early Brain Injury After Subarachnoid Hemorrhage in Mice. *Stroke* 40:2519-2525.

Strong K, Mathers C, Bonita R, 2007. Preventing stroke: saving lives around the world. *Lancet Neurol*. 6(2):182–7.

Srinivasan, D., Yen, J.H., Joseph, D.J., Friedman, W., 2004. Cell type-specific interleukin-1beta signalling in the CNS. *J. Neurosci*. 24, 6482–6488.

Tanaka A, Yoshinaga S, Nakayama Y, Kimura M, Tomonaga M, 1996. Cerebral blood flow and clinical outcome in patients with thalamic hemorrhage: a comparison with putaminal hemorrhage. *J Neurol Sci* 144: 191-94.

Tan SH, Ng PY, Yeo TT, Wong SH, Ong PL, Venketasubramanian N, 2001. Hypertensive basal ganglia hemorrhage: a prospective study comparing surgical and nonsurgical management. *Surg Neurol* 56:287–293.

Tarkowski E, Rosengren L, Blomstrand C, Wikkelső C, Jensen C, Ekholm S, Tarkowski A, 1995*:* Early intrathecal production of interleukin 6 predicts the size of brain lesion in stroke. *Stroke* 26: 1393-1398.

Teasdale G, Jennett B, 1974. Assessment of coma and impaired consciousness. A practical scale. *Lancet* 13 (2): 81–4.

Teernstra OP, Evers SM, Lodder J, Leffers P, Franke C.L, Blaauw G, 2003. Stereotactic treatment of intracerebral hematoma by means of plasminogen activator: a multicenter randomized controlled trial (SICHPA). *Stroke* 34:968–974.

Terrando N, Monaco C, Ma D, Foxwell BMJ, Feldmann M, Maze M. Tumor Necrosis Factor α triggers a cytokine cascade yielding postoperative cognitive decline. *PNAS* 2010 (107)47 : 201518 -522.

UNIVERSITAS GADJAH MADA
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Tetri S, Juvela S, Saloheimo P, Hillbom M, 2009. Hypertension and diabetes as predictors of early death after spontaneous intracerebral hemorrhage. *J. Neurosurg* 110:411-7.

The Brain Trauma Foundation. The American Association of Neurological Surgeons. The Joint Section of Neurotrauma and Critical Care. Recommendations for intracranial pressure monitoring technology, 2000. *J Neurotrauma* 17: 497-506.

Thornberry NA, Bull HG, Calaycay JR, Chapman KT, Howard AD, Kostura KJ, Miller DK, Mollineaux SM, Weidner JR, Aunins J, Elliston KO, Ayala JM, Casano FJ, Chin J, Ding GJF, Egger LA, Gaffner EP, Limjuco G, Palyha OC, Raju SM, Rolando AM, Salley JP, Yamin TT, Lee TD, Shively JE, MacCross M, Mumford RA, Schmidt JA, Tocci JA. 1992. A novel heterodimeric cysteine protease is required for interleukin 1 processing ini monocytes. *Nature* 356: 768.

Tim Riset Kesehatan Dasar, 2007. Pedoman Pengambilan, Penyimpanan, Pengemasan dan Pengiriman specimen. Badan Penelitian dan Pengembangan Kesehatan, Departemen Kesehatan RI – Jakarta.

Voller A, Bildwell DE, Barlett A, 1978. The Enzyme Immunosorbent Assay (ELISA). A guide with abstracts of microplate application. *Guernsey: Flowline Publications* : 7-21, 45-53.

Waga S, Yamamoto Y, 1983. Hypertensive putaminal hemorrhage - treatment and results: Is surgical treatment superior to conservative? *Stroke* 14:480.

Wang X, Barone FC, Aiyar NV, Feuerstein GZ, 1997. Interleukin 1 receptor and receptor antagonist gene expression after focal stroke in rats. *Stroke* 28: 155–161; discussion161–152.

Wang.ZF, Liu F, Liao DG, Zhang TY. 2005. Endoscopic surgery for hypertensive cerebral hemorrhage. *Minim Invasiv Neurosurg* 30(4) : 424-6.

Wang WZ, Jiang B, Liu HM, Li D, Lu CZ, Zhao YD, Sander JW, 2009. Minimal invasive craniopuncture therapy vs conservative treatment for spontaneous intracerebral hemorrhage: results from a randomized clinical trial in China. *Int J Stroke* 4:11–16.

Watkins LR, Maier SF, Goehler LE,1995. Immune activation: the role of pro-inflammatory cytokines in inflammation, illness responses and pathological pain states. *Pain* 63:289–302.

Wewers MD, Dare HA, Winnard AV, Parejer JM, and Miller DK, 1997. IL1β Converting Enzyme (ICE) is present and functional in Human Alveolar Macrophages: Macrophage IL-1β *Release* Limitation Is ICE Independent. *J. Immunol* 159: 5964.

Whiteley W, Chong WL, Sengupta A and Sandercock P, 2009. Blood Markers for the Prognosis of Ischemic Stroke: A Systematic Review. *Stroke* 40:e380-e389.

WHO (World health Organizasion), 2012. Top 10 causes of death in lower middle income countries.

Wu J, Hua Y, Keep RF, Nakamura T, Hoff JT, Xi G, 2003. Iron and iron-handling proteins in the brain after intracerebral hemorrhage. *Stroke* 34: 1964-9.

Xi G, Keep RF, Hoff JT. 2002. Patophysiology of brain edema formation. *Neurosurg Clin N Am* 13: 371-83.

Xi G, Keep RF, Hoff JT, 2006. Mechanisms of brain injury after intracerebral hemorrhage. Rev. *The Lancet Neurology* 5(1):53-63.

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UJI KLINIK KENDALI ACAK KOMPARASI PENGGUNAAN NEUROENDOSKOPI DENGAN KRANIOTOMI PADA EVAKUASI
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Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

Xue M, Del Bigio MR, 2000. Intracerebral injection of autologous whole blood in rats: time course of inflammation and cell death. *Neurosci Lett* 283: 230-32.

Yamada Y, Metoki N,Yoshida H, Satoh K, Ichihara K, Kato K, Kameyama T, Yokoi K, Matsuo H, Segawa T, Watanabe S, Nozawa Y, 2008. Genetic factors for Ischemic and Hemorrhagic Stroke in Japanese individuals. *Stroke* 39: 2211- 8.

Yamamoto T, Nakao Y, Osada H, Mori K, Maeda M, 2006. Endoscopic hematoma evacuation for hypertensive cerebellar hemorrhage. *Minim Invasive Neurosurg* 49:173-178.

Yamamoto T, Nakao Y, Osada H, Mori K, Maeda M, 2007. Endoscopic hematoma evacuation for intracerebral hemorrhage. *Jpn J Neurosurg* (Tokyo) 16:533-540.

Yamasaki Y, Matsuura N, Shozuhara H, Onodera H, Itoyama Y, Kogure K, 1995. Interleukin1 as a pathogenetic mediator of ischemic brain damage in rats. *Stroke* 26,676–80; discussion 681.

Zazulia AR, Diringer MN, Videen TO, Adams RE, Yundt K, Aiyagari V, Grubb RL Jr, Powers WJ, 2001. Hypoperfusion without ischemia surrounding acute intracerebral hemorrhage. *J Cereb Blood Flow Metab* 21(7):804-10.

Zuccarello M, Brott T, Derex L, Kothari R, Sauerbeck L, Tew J, van Loveren H, Yeh HS, Tomsick T, Pancioli A, Khoury J, Broderick J, 1999. Early surgical treatment for supratentorial intracerebral hemorrhage: a randomized feasibility study. *Stroke* 30:1833–9.