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The Differences In The Clinical Outcome Of Acute Ischemic Stroke Patients With Single And Multiple Risk Factors Based On The National Institutes Of Health Stroke Scale (NIHSS) In RSUP Dr. Sardjito, Yogyakarta

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## REFERENCES

Adams, H., Bendixen, B., Kappelle, L., Biller, J., Love, B., Gordon, D., Marsh, E. (1993).

Classification of Subtype of Acute Ischemic Stroke. *Stroke*, 23(1), 35–41.

<https://doi.org/10.1161/01.STR.24.1.35>

Altafi, D., Khotbesara, M.H. & Khotbesara, M. H. (2013). A Comparative Study Of NIHSS

between Ischemic Stroke Patients with and without Risk Factors, (6), 2007 - 2010.

Bautista, C. (2000). Assessing Stroke Severity : Acute Stroke Evaluation. [online] Available at : <http://www.thenecc.org/images/Bautista2009.pdf> [Accessed 5 Jan. 2017].

Bhardwaj, A., Sharma, G., Raina, S. K., Sharma, A., Angra, M. (2017). Advanced age and higher national institutes of health stroke scale score as predictors of poor outcome in ischemic stroke patients treated with alteplase : A study from a tertiary care centre in rural North-west India, 8(2), 236-240. doi : 10.4103/jnlp.jnlp\_431\_16

Donnan, G. A., Fisher, M., Macleod, M., & Davis, S. M. (2008). Stroke. *Lancet*, 371(9624), 1612–23. [https://doi.org/10.1016/S0140-6736\(08\)60694-7](https://doi.org/10.1016/S0140-6736(08)60694-7)

(1999). *Stroke Assessment Scale*. [online] Available at :

<http://www.strokecenter.org/professionals/stroke-diagnosis/stroke-assessment-scales/> [Accessed 5 Jan. 2017].

Förster, A., Gass, A., Kern, R., Wolf, M. E., Ottomeyer, C., Zohsel, K., Hennerici, M., Szabo, K. (2009). Gender Differences in Acute Ischemic Stroke Etiology , Stroke Patterns and Response to Thrombolysis, 2428–2433.

<https://doi.org/10.1161/STROKEAHA.109.548750>

Goldstein, L. B., Bushnell, C. D., Adams, R. J., Appel, L. J., Braun, L. T., Chaturvedi, S.,



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Creager, M. A., Culebras, A., Eckel, R. H., Hart, R. G., Hinckley, J. A., Howard, V. J.,

Jauch, E. C., Levine, S. R., Meschia, J. F., Moore, W. S., Nixon, J.V., Pearson, T. A.

(2011). Guidelines for the primary prevention of stroke: A Guideline for Healthcare

Professionals from the American Heart Association/American Stroke Association.

*Stroke*, 42(2), 517–584. <https://doi.org/10.1161/STR.0b013e3181fcb238>

Gomes, J., & Wachsmann, A. M. (2013). Types of Strokes. [https://doi.org/10.1007/978-1-](https://doi.org/10.1007/978-1-62703-380-0)

62703-380-0

Grau, A. J., Weimar, C., Buggle, F., Heinrich, A., Goertler, M., Neumaier, S., Glahn, J.,

Brandt, T., Hacke, W., Diener, H. (2001). The German Stroke Data Bank. *Stroke*

Harrison, J. K., Mcarthur, K. S., & Quinn, T. J. (2013). Assessment scales in stroke :

clinimetric and clinical considerations, 201–211.

Inoa, V., Aron, A. W., Staff, I., Fortunato, G., & Sansing, L. H. (2016). HHS Public Access,

37(4), 251–255. <https://doi.org/10.1159/000358869>.Lower

Kemenkes RI. (2014). Infodatin : Situasi Kesehatan Jantung. *Pusat Data Dan Informasi*

*Kementerian Kesehatan RI*, 1–8. <https://doi.org/10.1017/CBO9781107415324.004>

Kusuma, Y., Venketasubramanian, N., Kiemas, L. S., & Misbach, J. (2009). Burden of stroke

in Indonesia. *International Journal of Stroke : Official Journal of the International*

*Stroke Society*, 4(5), 379–380. <https://doi.org/10.1111/j.1747-4949.2009.00326.x>

Liang, J., Liu, W., Sun, J., Gu, X., Ma, Q., & Tong, W. (2015). Analysis of the risk factors

for the short-term prognosis of acute ischemic stroke, 8(11), 21915–21924.

Meschia, J.F., Case, L. D., Worrall, B. B., Brown, R. D., Brott, T. G., Frankel, M., Siliman,

S., Rich, S. S., & Ischemic Stroke Genetics Study Group. (2006). Family history of



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stroke and severity of neurological deficit after stroke, *Neurology*, 67(8), 1396-1402. doi

: 10.1212/01.wnl.0000240267.25699.9d

Meyer, B. C., Hemmen, T. M., Jackson, C. M., & Lyden, P. D. (2002). Modified National Institutes of Health Stroke Scale for Use Prospective Reliability and Validity, (8466).

<https://doi.org/10.1161/01.STR.0000015625.87603.A7>

Morris, D. L., & Schroeder, E. B. (2011). *Stroke epidemiology. Ferne, 1.*

Mozaffarian, D., Benjamin, E. J., Go, A. S., Arnett, D. K., Blaha, M. J., Cushman, M., Ferranti, S., Després, J., Fullerton, H. J., Howard, V. J., Huffman, M. D., Judd, S. E., Kissela, B. M., Lackland, D. T., Lichtman, J. H., Lisabeth, L. D., Liu, S., Mackey, R. H., Matchar, D. B., McGuire, D. K., Mohler, E. R., Moy, C. S., Muntner, P., Mussolino, M. E., Nasir, K., Neumar, R. W., Nichol, G., Palaniappan, L., Pandey, D. K., Reeves, M. J., Rodriguez, C. J., Sorlie, P. D., Stein, J., Towfighi, A., Turan, T. N., Virani, S. S., Willey, J. Z., Woo, D., Yeh, R. W., Turner, M. B. (2015). *Heart disease and stroke statistics-2015 update : A report from the American Heart Association. Circulation* (Vol. 131). <https://doi.org/10.1161/CIR.0000000000000152>

Pezzini, A., Grassi, M., Del Zotto, E., Lodigiani, C., Ferrazzi, P., & Spalloni, A. (2009).

Common genetic markers and prediction of recurrent events after ischemic stroke in young adults, *Neurology*, 73, 717-723

Phuong, V., & Huy, T. Van. (2007). Prediction of acute stroke progression by the National Institutes of Health Stroke Scale, 4(4), 10–13.

Putala, J., & Haapaniemi, E. (2011). How Does Number of Risk Factors Affect Prognosis in Young Patients With Ischemic Stroke ?

<https://doi.org/10.1161/STROKEAHA.111.635276>



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Sacco, R. L., Benjamin, E. J., Broderick, J. P., Dyken, M., Easton, J. D., Feinberg, W. M.,

Goldstein, L.B., Gorelick, P. B., Howard, G., Kittner, S. J., Manolio, T. A., Whisnant, J.

P., Wolf, P. A. (1997). Risk Factors, *Stroke*, 28, 1507-1517. doi :

<https://doi.org/10.1161/01.STR.28.7.1507>

Setyopranoto, I., Lamsudin, R., & Dahlan, P. (2000). Peranan Stroke Iskhemik Akut Terhadap Timbulnya Gangguan Fungsi Kognitif di RSUP Dr Sardjito Yogyakarta. *B. NeuroSains*.

Sivenius, J., & Immonen-ra, P. (2005). Diabetes worsens the outcome of acute ischemic stroke, 69, 293–298. <https://doi.org/10.1016/j.diabres.2005.02.001>

Stroke.org.uk. (2013). Stroke statistics. *Stroke Association Resource Sheet*, (January), 1–13. <https://doi.org/10.1080/07393149508429756>

Sturzenegger, M., Fischer, U., & Baumgartner, R. W. (2005). recurrence, (January 2000), 191–196. <https://doi.org/10.1136/jnnp.2004.040543>

Truelsen, T., Begg, S., & Mathers, C. (2000). The global burden of cerebrovascular disease. *Global Burden of Disease*, 1–67.

Tuhrim, S. (2005). Ischemic stroke. *CNS Spectrums*, 10(7), 529.

Venketasubramanian, N. (1998). The Epidemiology of Stroke in ASEAN countries - A Review. *Neurol J Southeast Asia*.

Weimar, C., Ziegler, A., König, I. R., & Diener, H. (2002). Predicting functional outcome and survival after acute ischemic stroke, 888–895. <https://doi.org/10.1007/s00415-002-0755-8>



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Wiszniewska, M., Niewada, M., & Czlonkowska, A. (2011). Sex differences in risk factor

distribution , severity , and outcome of ischemic stroke, 48(4), 21–28.