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# The Relationship between the Category of Menopausal Age Aand the Incidence of Stroke

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**Abstract :** The Menopause is associated with an increased risk of stroke. The decrease in estradiol at the early menopausal age can be detrimental to the health of blood vessels. The accumulation of risk factors occurring in menopause may be due to the excess of androgen and decreasing of estrogen, and mean to the twice of risk of stoke at 10 years after menopause. This study is a case control study conducted on patients treated at the Department of Neurology RSUPH. Adam Malik Medan after adjustment to the risk factors, all subjects will patients. The mean age for the case group was 58.51 (SD 8.119) years and was 61.80 (SD 8.860) years for the control group. In the case group the mean menopausal age 48.03 (SD 3.302) years was found in the control group and the mean menopausal age was 48.94 (SD 3.402) years. The result of statistical analysis using Chi square test found no significant relationship between age category of menopause with stroke incidence.

**Key words :** menopausal age, stroke, risk factors, estrogen.

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