

# HUBUNGAN ANTARA PROFIL LIPID DENGAN KEJADIAN STROKE TAHUN 2016 DI RSUD WATES KULON PROGO

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## INTISARI

**Latar Belakang :** Stroke adalah kehilangan fungsi otak yang diakibatkan oleh terhentinya suplai darah ke bagian otak, yang mengakibatkan gangguan aliran darah ke otak dan dapat menyebabkan penyumbatan (*ischemic stroke*) atau pendarahan (*hemorrhagic stroke*). Dislipidemia dan hiperlipidemia adalah suatu faktor risiko stroke yang merupakan suatu kelainan profil lipid yang ditandai dengan adanya penurunan atau peningkatan. Profil lipid yang utama adalah kadar kolesterol total, kadar trigliserida, kadar HDL (*high density lipoprotein*) dan kadar LDL (*low density lipoprotein*).

**Tujuan Penelitian :** Mengetahui hubungan antara profil lipid dengan kejadian stroke.

**Metode Penelitian :** Rancangan penelitian ini adalah menggunakan studi korelasional *case control*, dengan pendekatan *retrospektif*, teknik pengambilan sampel yang digunakan adalah *nonprobability* sampling dengan jenis *purposive sampling*. Jumlah sampel yang digunakan adalah 98 rekam medis pasien di RSUD Wates. Analisa data yang digunakan adalah analisa univariabel dan analisa bivariabel menggunakan *koefisiensi kontigensi* dengan tingkat kemaknaan  $p < 0,05$ .

**Hasil :** Hasil penelitian ini menunjukkan bahwa sebagian besar responden memiliki kadar kolesterol optimal sebanyak 70 responden (71,4%), kadar (LDL) *low density lipoprotein* optimal sebanyak 66 responden (66,3%), kadar *high density lipoprotein* (HDL) rendah sebanyak 60 responden (61,2%), kadar trigliserida *borderline* sebanyak 78 responden (79,6%). Perhitungan uji statistik di peroleh hasil kadar kolesterol  $p=0,009$  ( $p < 0,05$ ), kadar LDL  $p=0,021$  ( $p < 0,05$ ), kadar HDL  $p=0,047$  ( $p < 0,05$ ), kadar trigliserida  $p=0,000$  ( $p < 0,05$ ).

**Kesimpulan :** Terdapat hubungan yang signifikan antara profil lipid dengan kejadian stroke di RSUD Wates Kulon Progo.

**Kata Kunci :** Profil lipid, stroke

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# THE CORRELATION BETWEEN LIPID PROFILE AND THE OCCURRENCE OF STROKE IN 2016 IN WATES REGIONAL PUBLIC HOSPITAS KULON PROGO

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## ABSTRAK

**Background** : Stroke is the shortfall of brain function caused by the obstruction of blood supply to the brain which result in the disruption of blood supply to the brain and may lead to a blocked (ischemic stroke) or bleeding (hemorrhagic stroke). Dyslipidemia and hyperlipidemia is risk factors of stroke which ia a lipid prolife disorder signed with the increased or decreased of it. The main lipid profile are total cholesterol, triglyceride level, high denticity lipoprotein level (HDL) and Low denticity level (LDL).

**Research Pupose** : To discover the correlation between lipid profile and the occurrence of stroke.

**Research Method** : This research design used correlation case control study, with retrospective approach. The sampling gathering technique used was nonprobability sampling with the kind of sampling was purposive sampling. The number of samples used was 98 medical records of the patients in RSUD Wates. The analysis used was univariable analysis and bivariable analysis using coefficient contingency with the level of significant is  $p < 0,05$ .

**Result** : The result of this research shows that most of the respondents have optimal cholesterol level for 70 respondents (71,4%), optimal low denticity lipoprotein level (LDL) for 66 respondents (66,3%), low high denticity lipoprotein level (HDL) for 60 respondents (61,2%), lever of triglyceride borderline for 78 respondents (79,6%). The result of statistical test measurement shows that cholesterol level  $p = 0,009$  ( $p < 0,05$ ), LDL level  $p = 0,021$  ( $p < 0,05$ ), HDL level  $p = 0,47$  ( $p < 0,05$ ), triglyceride  $p = 0,000$  ( $p < 0,05$ ).

**Conclusion** : There is a significant correlation between lipid profile and stroke occurrence in RSUD Wates Kulon Progo.

**Keywords** : Lipid Profile, Stroke

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