

ABSTRAK

Angka kejadian *low back pain* paling banyak disebabkan oleh osteoarthritis *lumbosacral* sehingga perlu dilakukan penelitian mengenai hubungan antara gambaran radiologis *osteoarthritis lumbosacral* dengan kejadian *low back pain*. Penelitian ini dilakukan di RSUD Al-Ihsan Kabupaten Bandung yang dilakukan pada periode 1 Januari 2017 sampai 31 Desember 2017 dengan menggunakan metode analitik korelasi. Data pada penelitian ini bersifat sekunder yang diambil dari rekam medik sedangkan pemilihan sampel dilakukan dengan *simple random sampling* dengan nilai alfa 0,05 sehingga didapatkan besar sampel 87 orang. Hasil pada penelitian ini didapatkan seluruh pasien didiagnosis *low back pain* sebanyak 87 orang (100%) sedangkan pasien *low back pain* yang memiliki gambaran radiologis *osteoarthritis lumbosacral* sebanyak 86 orang (98,8%) serta hasil uji statistik diperoleh nilai $p = 0,01$ sehingga terdapat hubungan radiologis osteoarthritis lumbosacral dengan kejadian *low back pain*. Hal ini dapat menyebabkan penyempitan diskus intervertebralis sehingga dapat menyebabkan kompresi pada radiks saraf yang menyebabkan nyeri radikuler ke tungkai bagian bawah.

Kata Kunci: *Low Back Pain*, Lumbosakral, Osteoartritis

ABSTRACT

The incidence of low back pain is mostly caused by lumbosacral osteoarthritis, so research needs to be done on the relationship between radiological features of lumbosacral osteoarthritis with the incidence of low back pain. This research was conducted at Al-Ihsan Regional Hospital in Bandung Regency which was conducted in the period of 01 January 2017 to 31 December 2017 using the correlation analytic method. The data in this study are secondary taken from medical records while the sample selection is done by simple random sampling with an alpha value of 0.05 so that a sample size of 87 people is obtained. The results in this study showed that all patients diagnosed with low back pain were 87 people (100%) while low back pain patients who had radiological features of lumbosacral osteoarthritis were 86 people (98.8%) and the statistical test results obtained $p = 0.01$ so there is a radiological relationship between lumbosacral osteoarthritis and the occurrence of low back pain. This can cause narrowing of the intervertebral discs, which can cause compression of the nerve roots which causes radicular pain to the lower limbs.

Key Words: *Low Back Pain, Lumbosacral, Osteoarthritis*