

ABSTRAK

RYAN. Pengaruh Skoliosis Terhadap Timbulnya kejadian Osteoarthritis Lutut Sekunder pada Atlet di Rumah Sakit Olahraga Nasional Cibubur Periode Juli 2013- April 2014. Di bimbing oleh Dr.dr. BASUKI SUPARTONO Sp.OT.FICS dan drg. NUNUK NUGROHOWATI.MS

Osteoarthritis lutut dapat terjadi karena skoliosis. Tujuan penelitian ini adalah untuk mengetahui pengaruh skoliosis menyebabkan osteoarthritis lutut sekunder. Penelitian ini bersifat analitik dengan rancangan cross-sectional. Total sampel sebanyak 92 atlet skoliosis diambil berdasarkan teknik pengambilan simple random sampling. Data yang diperoleh dianalisis dengan menggunakan uji Chi-Square, Fisher dan Prevalensi Ratio. Hasil analisis menunjukkan terdapat terdapat pengaruh skoliosis terhadap kejadian osteoarthritis lutut sekunder pada atlet di Rumah Sakit Olahraga Nasional. Berdasarkan kriteria derajat sudut Cobbs di dapatkan hasil ($p = 0,022$ ($p < 0,05$)), sudut Cobbs derajat sedang 7,5 kali lebih beresiko menyebabkan osteoarthritis lutut sekunder daripada derajat ringan. Sedangkan bentuk kurva skoliosis di dapatkan hasil ($p = 0,038$ ($p < 0,05$)), bentuk skoliosis kurva S 3,2 kali beresiko menyebabkan osteoarthritis lutut sekunder daripada bentuk kurva C. Sehingga dapat disimpulkan terdapat pengaruh yang bermakna antara derajat sudut Cobb, bentuk kurva skoliosis terhadap kejadian osteoarthritis lutut sekunder.

Kata kunci : Sudut *Cobb*, Bentuk Kurva Skoliosis, Osteoarthritis Lutut Sekunder.

Kepustakaan : 32 (1997-2014)

ABSTRACT

RYAN. Scoliosis effect towards of Incidence of the Secondary Osteoarthritis on the knee in Athletes at the National Sports Cibubur Hospital on July 2013- April 2014. Supervised by Dr.dr. BASUKI Supartono Sp.OT.FICS and drg. Nunuk NUGROHOWATI.MS.

Osteoarthritis on the knee can caused by scoliosis. The purpose of this study is to find out the influence of scoliosis caused secondary osteoarthritis on the knee. This research use an analytic cross-sectional design. The total sample of 92 athletes scoliosis taken by simple random sampling technique. The data were analyzing with Chi-square test, Fisher and Prevalence Ratio. The results show that there were influences on the incidence of scoliosis towards secondary osteoarthritis on the knee in athletes at the National Sports Hospital. Based on the criteria in the Cobbs angle had the results ($p = 0.022$ ($p < 0.05$)), moderate Cobbs angle degree were 7.5 times more at risk of causing secondary osteoarthritis on the knee than a mild degree. The other hand shape of the curve scoliosis had results ($p = 0.038$ ($p < 0.05$)), the shape of the S curve scoliosis 3.2 times more at risk of causing secondary osteoarthritis on the knee than the curve C. It had to be concluded that there was influence between scoliosis towards incidence of secondary osteoarthritis on the knee.

Keywords : Cobbs angle, curve shape scoliosis, secondary osteoarthritis on the knee

References: 32 (1997-2014)