

**TESTIRANJE DIMENZIJE BUBREGA KOD HUMANOG FETUSA ZA VREME FETALNOG PERIODA
Jovevska Svetlana, Zdravkovska Milka, Taleski Vaso, Handjiski Zoran, Panova Gordana**

Univerzitet "Goce Delcev", Fakultet medicinskih nauka, Shtip, Republika Makedonija

Razvoj ljudskog fetusa, pa i bubrege prolaze kroz niz kontinuiranih i uzajamno zavisnih anatomskih promena, tokom kojih bubrezi dobijaju morfolosku i funkcionalnu zrelost. Ova studija je sprovedena u cilju da se analiziraju anatomske promene dimenzije bubrege tokom fetalnog razvoja od III do X lunarnog meseca. Bubrežne dimenzije (duzina i sirina) bili su mereni Vemier-ovim caliperom. Serijska merenja oba bubrege su vrsena kod 300 fetusa oba pola (154 muski pol i 146 zenski pol). Analiza srednjih vrednosti pokazala je statisticki znacajne razlike bubreznih dimenzija u odnosu na lunarni mesec. **Kljucne reci:** fetus, bubrežne dimenzije, fetalni rast i razvoj

TESTING OF HUMAN KIDNEY DIMENSIONS DURING FETAL PERIOD Jovevska Svetlana, Zdravkovska Milka, Taleski Vaso, Handjiski Zoran, Panova Gordana

Goce Delchev University Faculty of Medical Sciences, Shtip, Republic of Macedonia

Development of the human fetal kidneys goes through a series of continual and mutually dependent anatomical changes during which the kidneys obtain their morphological and functional maturity. This study was undertaken in order to analyze the anatomical changes of the kidneys dimensions during their fetal development (from the IIIrd to the Xth lunar month). Kidney dimensions (length and width) were measured with Vemier-ov caliper.

Serial measurements of the both kidneys were performed in 300 fetuses from both sexes (154 males and 146 females). The analysis of the mean values of kidney dimensions in the examined series of fetuses has shown statistically significant differences in relation to the lunar month, presenting in the period of the IIIrd to the Xth month

Key words: fetus, kidney dimensions, fetal growth and development.