

## **MORFOLOSKE KARAKTERISTIKE RENALNE ARTERIJE KOD HUMANOG BUBREGA Jovevska Svetlana', Zdravkowska Milka<sup>1</sup>, Taleski Vaso<sup>1</sup>, Matveeva Niki<sup>2</sup>**

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**Cilj:** Cilj istraživanja bio je analiza dužine, kalibra leve i desne renalne arterije kod humanog bubrega oba pola.

**Subjekti i metode:** Merenja obuhvataju analize renalne arterije kod 30 humanih bubrega i 30 renalne angiografije. Informacije dobijene pri merenju dužine renalne arterije su klasificirane i grupirane a zatim obradjene Studentovim t-test i korelacije. Za potrebe ove analize, za svaku varijablu izracunati su sledeci parameter: Aritmeticka sredine X i standardne devijacije

**Rezultati:** Na nasem ispitivanom materijalu nadjeno je da prosečna dužina desne renalne arterije kod muskog pola iznosi 4.4167 cm, a kod leve 3.3467cm. Dok prosečne dužine desne renalne arterije kod ženskog pola iznosi 4.3667cm, a kod leve 3.2834cm. Kalibar bubrezne arterije meren je 0.2cm od njihovog nastanka. Kod angiografije njihove vrednosti su manje zbog toga sto se kod angiografije vidi samo lumen ovih krvnih sudava a ne i debljina njihovih zidova.

**Zakljucak:** Dimenzije renalne arterije predstavljaju osnovu za pravilnu i brzu dijagnozu brojnih patoloskih i fizioloskih promena bubrega.

**Kljucne reci:** bubreg, renalna arterija, anatomija, dimenzija.

## **MORPHOLOGICAL CHARACTERISTICS OF THE RENAL ARTERY IN HUMAN KIDNEY Jovevska Svetlana', Zdravkowska Milka', Taleski Vaso<sup>1</sup>, Matveeva Niki<sup>2</sup>**

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**Objective:** The study was the analysis of the length, the caliber of the left and right renal arteries in human kidneys of both sexes.

**Subjects and Methods:** Measurement includes an analysis of the renal artery in 30 human kidneys and 30 renal angiography. Information obtained when measuring the length of the renal arteries are then grouped are classified processed with Student's t - test and correlation. For the purposes of this analysis, for each variable, the following parameters were calculated: mean of the x of standard deviation.

**Results:** In our test material was found that the average length of the right renal artery in males is 4.4167cm, and in the left 3.3467cm. While the average length of the right renal artery in females is 4.3667cm, and in the left 3.2834cm. Caliber renal arteries were measured 0.2cm from their inception. Their code angiography are worth less because at angiography can be seen only in the lumen of the blood vessels is not the thickness of their walls.

**Conclusion:** The dimensions of the renal artery is base on a proper and rapid diagnosis of many pathological and physiological changes in the kidney.

**Key words:** kidney, renal artery, anatomy, dimensions.

Izvodi saopstenja