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## Correlation between risk scores for foot ulceration in diabetics and chronic kidney disease

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The present study assesses the correlation between the risk scores for ulceration of the foot and the degree of chronic kidney disease, in contrast to determining the impact on metabolic risk factors and timely identifying factors of progression that affect the risk for foot ulceration and the degree of renal disease in patients with type 2 DM. Of a total number of 107 patients, 50.5% were men, and 49.5% women. The average age was 59.12 years, furthermore the average duration of diabetes was 12,9±6.15 years, and the average HbA1c 9,5%±1.86%, while 6 months later the HbA1c was 8,8% (p <0.004). BMI was 28±3.3 kg/m<sup>2</sup>. The Risk score in V 1 and V 3 has statistical significance (p <0.004) i.e. V3 shows higher risk score. In groups, the largest percentage of 60% had score of 1, 20% had score 2 and 15% had score 3. The average eGFR was significantly higher in the beginning (V1=78, 02±24, 08, V3=71, 48±21,

41, p<0,039), and 70% had microalbuminuria. About 30% had grade 3 and 4 of nephropathy. The correlation shows that groups with higher risk of ulceration score (2,3) have also a higher degree of nephropathy (3,4) during V1 and also during V3 (p <0,001). In individuals with T2DM, average age, duration of type 2 DM, HbA1c and high BP have a significant role in the assessment of risk for ulceration of the foot and the progression of CKD. Patients with a higher degree of nephropathy have higher risk score for foot ulceration (Table 1).

Table 1:

|         | Risk score 0 and 1 (N=48) |      | Risk score 2 (N=22) |      | Risk score 3 (N=18) |      |
|---------|---------------------------|------|---------------------|------|---------------------|------|
| Grade 2 | 02                        | 15.4 | 11                  | 50.0 | 08                  | 44.4 |
| Grade 3 | 07                        | 14.6 | 04                  | 18.2 | 03                  | 16.7 |
| Grade 4 | 03                        | 6.3  | 08                  | 36.4 | 03                  | 16.7 |
| Grade 5 | 04                        | 8.3  | 02                  | 9.1  | 02                  | 11.1 |

## Biography

Irfan Ahmeti has completed his PhD at the age of 47 years from University and Postdoctoral Studies from School of Medicine, University "St. Cyril and Methodius"-Skopje, Macedonia. He is the Chief of Department for diabetic foot and president of National commission for diabetes in Macedonia. Vice-president of Macedonian Scientific Association of endocrinologists and diabetologists. He has published more than 30 papers in national and international journals and has been serving as an editorial board member of "Vox Medici".

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