

Epidemiological Features of Post Streptococcal Acute Glomerulonephritis Infections in Durres Region during the Period 2000-2010

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Abstract: Acute glomerulonephritis (AGN) is a disease characterized by the sudden appearance of edema, hematuria, proteinuria, and hypertension. Post-streptococcal acute glomerulonephritis (PSAGN) is a form of glomerulonephritis, caused by a primary bacterial infection with streptococcus pyogenes. Objectives of the study are to describe the socio-demographic and biochemical characteristics of patients diagnosed with PSAGN for the period between 2000-2010 in Durres Regional Hospital and identify the group population with high risk for development the PSAGN. This is a transversal, retrospective study. The medical records of patients diagnosed PSAGN for period from 2000 – 2010 in Durres Regional Hospital were reviewed. The socio demographic factors included in the study were gender, age, employment, residence. In addition, the season of occurrence of PSAGN and length of hospitalization staying, type of initial streptococcal infection, the results of biochemical test of blood and urine were included. This disease is more frequently among males (62.3 % vs. 37.7), youngest people (the mean age is 28.5 years old), the active population (67.2 %), people living in the urban area (64.9%). PSAGN is more frequently appeared after a tonsillitis cases and during the cold seasons. The male, worker and urban people are likely to develop an AGN after a streptococcal infection. Treating the known streptococcal infections among the risky group may prevent the post-streptococcal AGN

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