

Newly diagnosed multiple myeloma after Covid-19 infection

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Introduction: Multiple myeloma is a malignant proliferation of plasma cells producing paraprotein, the second most common hematologic malignancy. Multiple myeloma can present in different ways for example hypercalcemia, hyperviscosity, renal failure and bone pains. The primary cause of morbidity and mortality in patients with MM is an infection. Covid 19 is an infection disease caused by SARS-COV2 who has become a global pandemic and serious health problem.

Objectives: 70 years old female who has a history of fatigue, anemic syndrome, lost of weight 5kg in past 3 months, renal failure and also hospitalization of two weeks at department for infective disease (Covid-19 positive) was hospitalized in our department. From comorbidities she has HTA and hysterectomy done at aged of 50. On examination was cachectic with dyspnea and sinus tachycardia.

Materials and methods: Laboratory findings=high sedimentation (130), normochromic anemia (hgb=79, rbc=2.57, mcv=83.6), hyperuricemia (146), negative tumor markers (cea, ca 15-3, ca 19-9, ca 125), elevated urea (16) and creatinin (169.5), +1 of protein on urinalysis, negative markers for hepatitis B and C. Gastroscopy - Gastritis chronica. Erosiones chr.mucosae ventriculi. CT scan of abdomen and pelvis = non significant ascites in the pelvis. Diffuse small osteolytic lesions are seen on skeletal window.

Results: This patient was transferred to Clinic of Hematology the diagnose was confirmed (Myeloma multiplex IgG type), Sternal puncture - infiltration with plasma cells 80%, chemotherapy was started and because of syndrome of hyperviscosity (total proteins 154, IgG 107) were done also two plasmapheresis.

Conclusion: The case confirmed the necessity of preventive measures worldwide to protect vulnerable patients from SARS-COV2 infection and especially MM-patients that have not been diagnosed on time or have died during pandemic.