

## **Long term remission of the patient with maxillary sinus plasmacytoma after surgical treatment combined with radiotherapy**

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Background: Plasma cell neoplasms have been classified as diffuse (multiple myeloma), or localized disease (solitary plasmacytoma and extramedullary plasmacytoma). The solitary plasmacytoma of the maxillary sinus is rare presentation of disease. Case report: a 42-year-old female presented with pain in left maxilla region during last one year. During 2010.y. radiographics examinations revealed lesion over left maxillar bone, invading left maxillary sinus. Otorhinolaryngologist did partials resection of maxillae sinistri. Pathohystological finding of resected lesion was plasmacytoma. Patient was hospitalized to hematology department and we performed additional analyses. CT scan of endocranium revealed lesion that include left zygomatic bone and may be rest recidivism of primary disease. Scintigraphy of the skeleton demonstrated focal zone of osteoblastic activity in projection of left zygomatic bone and left maxillary bone that can be consequence of previous operative procedure or may be recidivism of primary disease. Bone marrow aspiration, laboratory findings, ultrasound of abdomen and radiographics of bone structures did not confirmed diffuse presentation of disease, than solitary plasmocytoma of left zygomatic bone and left maxilla invading maxillary sinus. Patient was treated with local radiotherapy and achieved complete remission. Conclusion: There are no guidelines for the treatment of solitary plasmacytoma. Treatment modality depend on localisation and involved structures and may include surgery, chemotherapy and radiotherapy, either alone or in combination. Our patient was treated with surgery followed with radiotherapy and achieved remission. This strategy may be optimal approach taking in consideration 6 year long remission in our patient.