

## DOUBLE-HIT NON-HODGKIN LYMPHOMA PATIENT FOLLOWED UP WITH COMPLETE RESPONSE AFTER TREATMENT: CASE REPORT

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**Introduction - Purpose :** Double hit non-Hodgkin lymphoma is a high-grade lymphoma with poor prognosis, which is characterized by the presence of one of the bcl-2 or bcl-6 oncogenes with myc oncogenes.

**Findings :** 20-years-old male patient admitted to neurosurgery clinic due to paraplegia and a mass was found in his lumbar region. Excisional biopsy was performed and patient diagnosed as high-grade double hit non-Hodgkin lymphoma. 1 cycle of rituximab, cyclophosphamide, vincristine, doxorubicin and high dose methotrexate (R-CODOX-M) chemotherapy was performed. However, due to severe neutropenia, the treatment was converted to 5 cycles of rituximab, cyclophosphamide, vincristine, doxorubicin, prednisolone (R-CHOP) and followed by 2 cycles of rituximab. In the PET/CT scan performed after chemotherapy protocol, patient was in complete remission and radiotherapy was planned for lesions in his vertebrae.

**Discussion :** Double-hit non-Hodgkin lymphomas are high-grade lymphomas and difficult to treat. Intensive dose chemotherapy should be used in treatment. However, conventional chemotherapy modalities could provide remission in patients who cannot tolerate intensive dose chemotherapy.

**Keywords:** Double hit non-Hodgkin lymphoma, Intensive dose