

Institucioni

Vendi:

referues:

Prishtinë

Emri dhe mbiemri:

Rrezon BEHRAMI

Viti i

2022

Profesioni:

Gjinia:

M

Vendbanimi:

Prishtinë

Diagnoza udhëzuese dhe të dhënat
klinike:

Tu. extraaxialis regio T lat. dex.

**op. Extirpatio Tu. in toto*

Mjeku udhëzues



Numri i biopsisë:

Pranuar:

24.10.2024

Përfunduar:

4.11.2024

(H#1)

Submitted is a well circumscribed tissue structure of gray color, medium consistency, measuring **3.5x3.2x2 cm**. At gross examination, the cut surface is solid, of gray-tan color.

Histological description:

The examined structure is tumor tissue consisted of solid sheets of pleomorphic medium-sized and large malignant cells with eosinophilic or amphophilic cytoplasm with vesicular hyperchromatic nuclei focally with prominent nucleoli. In some microscopic foci there are anaplastic multinucleated large cells and with multilobated hyperchromatic nuclei. Mitotic activity is conspicuous; pathological mitoses are also seen. Some of the cells have "rhabdoid" morphology. Apoptotic cells are also focally evident.

In some microscopic fields, there are foci of discrete myxoid changes in stroma.

Periphery is partly encapsulated.

CONCLUSION: Histological features are consistent with POORLY DIFFERENTIATED "HIGH-GRADE" MALIGNANCY. **Resection margins are tumor free (R0).**

**Additional immunohistochemical analysis is necessary..*

IMMUNOHISTOCHEMISTRY (4.11.2024): Myogenin, S-100, Sox-10, CD45, SMA, CD99, CD68, Vimentin, Cytokeratin-MNF, Synaptophysin dhe Ki-67

Neoplastic cells exhibit diffuse positivity for Vimentin and focal nuclear expression of **Myogenin**.

There is also partial expression of SMA and CD99.

CD68 marks many stromal histiocytes. CK-MNF is negative. CD45 is negative.

Synaptophysin is negative.

Proliferation index as measured by Ki-67 is approximately 35% (in hotspots).

CONCLUSION: Based on histological features and immunohistochemistry results it is concluded that we are dealing with malignant mesenchymal tumor of rhabdomyoblastic differentiation, namely: **EMBRYONAL RHABDOMYOSARCOMA**. Maximum diameter of tumor is 3.5cm; resection margins are tumor free (**R0**).

DgHP. EMBRYONAL RHABDOMYOSARCOMA (ICD-O: 8902/3)

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