

**Case 7 Mass lesion breast, mammogram & USS suggest malignancy. Needle core Bx female 83 years**

- Section of breast show large uniform round cells with hyperchromatic nuclei, eccentrically placed/plasmacytoid nuclei within a fibrous stroma.
- There are no obvious cytoplasmic lumina, mitoses, multinucleation and no clock face nuclei features.

**Diagnosis: (Of exclusion) Extramedullary Plasmacytoma of breast (rare as hens teeth)**

**Differential s being:**

1. Lobular carcinoma (histiocytic subtype)
2. Invasive ductal NST
3. Invasive ductal with neuroendocrine features/differentiation
4. Invasive lobular with neuroendocrine features/differentiation

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**Undertake appropriate IHC**

**Primary breast : ER +ve, PR +ve, GCDFP-15 +ve, Cytokeratin +ve , E-Cadherin**

**Neuroendocrine differentiation: CD56, chromogranin and synaptophysin**

**If the IHC are negative**

<b>Include in the differentials</b>	<b>IHC</b>
5. Melanoma	S100
6.lymphoma (anaplastic), plasmacytoid	CD79a, CD20
&. Multiple Myeloma	CD138, CD38 K/L restriction
<b>9. Extramedullary Plasmacytoma</b>	CD138, CD38 K/L restriction

**Comment:**

**Morphologically the cells appear plasma cell origin following the exclusion of a carcinoma.**

**Need a thorough clinical history with clinicopathological correlation**

**Appropriate blood tests and radiology including serum protein electrophoresis**

**Primary vs secondary To MM**

**Isolated extramedullary Plasmacytoma**

**Case 8 Right orchidectomy right testicular lesion 19 yrs**