Date: 1405/07/18, 2026/10/10

Patient's Name: M.E

Responsible Physician: Dr. Omranipour

Patient Presentation:

A 39 Y/O female, premenopausal with no significant past medical history.

- No family history of breast/ovarian cancer

Primary Tumor:

• Left breast, locally advanced

• Invasive ductal carcinoma (IDC)

• ER positive, PR positive, HER2 negative

• Ki-67: 50%

• Grade 3

• Lymphovascular invasion: positive

• Ultrasound: multifocal mass

• Axillary lymph nodes: positive

Staging Work-up

• PET-CT: findings highly suggestive of metastasis in C5, C6 and L3

• Whole-body bone scan: multiple lesions in skull, manubrium, cervical spine, 7th and 9th costovertebral junction and s1 vertebra

• Chest CT : small lytic bone lesion, left side of C6 vertebral body

• Abdominal CT: no metastasis or bony lesion reported

Question:

Review all available imaging and determine the extent of metastatic disease and treatment plan.

Recommended Plan:

- ✓ Widespread bone metastases involving the entire spine were confirmed.
- ✓ Systemic therapy was recommended.
- ✓ Radiotherapy was not recommended at this stage.

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