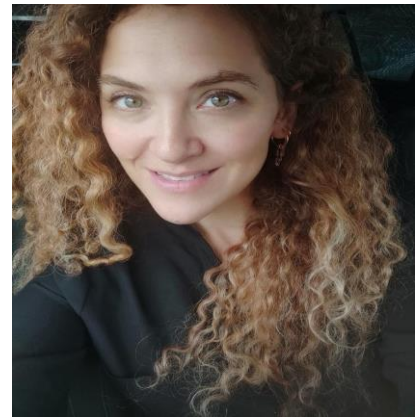


**Title :** The impact of preoperative breast MRI on the therapeutic management of breastcancer patients

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Abstract:

The role of preoperative breast MRI to evaluate the extent of disease in breast cancer patients is considered controversial. We aimed at assessing the effect of breast MRI on the management of newly diagnosed breast cancer.

Our research is a retrospective review of 202 patients who were newly diagnosed with breast cancer and who underwent preoperative breast MRIs at Assuta Ashdod Hospital between 2017 and 2020.

Data included in the study: suspicious lesions demonstrated by conventional imaging, MRI findings, and surgical pathology results. This was analyzed to determine whether the MRI changed the management and whether it had a justified or unjustified effect on the treatment.

Breast MRI revealed additional findings in 56% of patients and modified therapeutic management in 32% of the cases evaluated, having a justified effect in 87.6%. Patients with changed management had a statistically significantly higher mastectomy rate (36%) than those who did not (14%).

Our research reviled that MRI played an essential role in the preoperative staging of breast cancer, modifying therapeutic planning in approximately one-third of the cases and having a justified effect on most of them. We, therefore, support preoperative breast MRI in newly diagnosed breast cancer patients.

Short Biography:

Zohar Goren (39), married and mother of three.

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