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Outcomes and prognostic factors for surgically treated patients with breast cancer spine metastases

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Conflict of interest: None.

Purpose: The aim of this study is to provide some useful insights into the treatments, outcomes, and prognostic factors of patients with breast cancer spine metastases (BCSM).

Methods: We report a retrospective case series analyzing 87 patients with BCSM who underwent surgical interventions. Independent prognostic factors for SMFS and OS were extracted using univariate and multivariate analyses, the Kaplan-Meier method and the Cox proportional hazards model.

Results: The mean time between primary diagnoses and spinal metastases was 46.8 (median 41, range 0-147months) months. The analysis showed that lymph node metastasis ($p=0.043$, HR 10.498, 95%CI 1.074-102.588) and estrogen receptor (ER) status ($p=0.004$, HR 0.368, 95%CI 0.189-0.721) can

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