

Tokuhashi score

Metastatic spine tumor prognosis.

The modified Tokuhashi score assists in decision making based on reliable estimators of life expectancy in patients with spinal metastases secondary to breast cancer ¹⁾.

General condition (Karnofsky)

0 points: poor (10% - 40%) 1 point: moderate (50% - 70%) 2 points: good (80% - 100%) No. of extraspinal bone metastases foci

0 points: ≥ 3 1 point: 1 - 2 2 points: 1 No. of metastases in the vertebral body

0 points: ≥ 3 1 point: 1 - 2 2 points: 1 Metastases to the major internal organs

0 points: unremovable 1 point: removable 2 points: no metastases Primary site of the cancer

0 points: lung, osteosarcoma, stomach, bladder, esophagus, pancreas 1 point: liver, gallbladder, unidentified 2 points: others 3 points: kidney, uterus 4 points: rectum 5 points: thyroid, breast, prostate, carcinoid tumor Palsy

0 points: complete (Frankel A, B) 1 point: incomplete (Frankel C, D) 2 points: none (Frankel E) Survival prognosis

total score 0 - 8: 85% lives < 6 months \Rightarrow conservative treatment or palliative surgery total score 9 - 11: 73% lives > 6 months (and 30% > 1 year) \Rightarrow palliative surgery or (exceptionally) excisional surgery total score 12 - 15: 95% lives > 1 year \Rightarrow excisional surgery Reference

Tokuhashi et al. A revised scoring system for preoperative evaluation of metastatic spine tumor prognosis. Spine (2005) vol. 30 (19) pp. 2186-91

¹⁾

Ulmar B, Richter M, Cakir B, Muche R, Puhl W, Huch K. The Tokuhashi score: significant predictive value for the life expectancy of patients with breast cancer with spinal metastases. Spine (Phila Pa 1976). 2005 Oct 1;30(19):2222-6. PubMed PMID: 16205351.

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