

Metastatic spread to the pituitary from a distant primary malignancy is commonly associated with metastases to other tissues and poor prognosis unless efficient systemic targeted medical treatment is available for primary cancer (melanoma, lymphoma) ¹⁾.

Survival after pituitary metastases detection has improved over time, encouraging individualized interventions directed to metastases to improve quality of life and increase survival ²⁾.

A systematic review according to [PRISMA recommendations](#) identified 2143 records, of which 157 were included. Median survival from MP diagnosis was 14 months. Overall survival was significantly different between lung, breast and kidney cancers ($P < .0001$). Survival was impacted by radiotherapy (hazard ratio (HR) 0.49; 95% confidence interval (CI) 0.35-0.67; $P < .0001$) and chemotherapy (HR 0.58; 95% CI 0.36-0.92; $P = .013$) but not by surgery. Stereotactic radiotherapy tended to improve survival over conventional radiotherapy (HR 0.66; 95% CI 0.39-1.12; $P = .065$). Patients from recent studies (≥ 2010) had longer survival than others (HR 1.36; 95% CI 1.05-1.76; $P = .0019$).

This [systematic review](#) based on 657 [cases](#) helped to better identify [clinical features](#), oncological characteristics, and the effect of current therapies in patients with MP. [Survival](#) patterns was conditioned upon primary cancer histologies, the use of local [radiotherapy](#) and systemic [chemotherapy](#), but not by surgery ³⁾

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