

Neoadjuvant therapy (Core)

Cancers with or without neoadjuvant therapy have different staging groups.¹

Survival of patients with oesophageal adenocarcinoma after neoadjuvant chemotherapy/radiotherapy depends on the response to therapy.

Following neoadjuvant therapy, the extent of tumour regression is an important prognostic factor in both oesophageal squamous cell carcinoma and adenocarcinoma.²⁻⁷ In addition, tumour grade and lymph node downstaging following neoadjuvant therapy are also associated with disease-free survival in patients with oesophageal adenocarcinoma.

References

- 1 Amin MB, Edge SB, Greene FL, Byrd DR, Brookland RK, Washington MK, Gershenwald JE, Compton CC, Hess KR, Sullivan DC, Jessup JM, Brierley JD, Gaspar LE, Schilsky RL, Balch CM, Winchester DP, Asare EA, Madera M, Gress DM and Meyer LR (eds) (2017). *AJCC Cancer Staging Manual. 8th Edition*, Springer, New York.
- 2 Hatogai K, Fujii S, Kojima T, Daiko H, Kadota T, Fujita T, Yoshino T, Doi T, Takiguchi Y and Ohtsu A (2016). Prognostic significance of tumor regression grade for patients with esophageal squamous cell carcinoma after neoadjuvant chemotherapy followed by surgery. *J Surg Oncol* 113(4):390-396.
- 3 Kadota T, Hatogai K, Yano T, Fujita T, Kojima T, Daiko H and Fujii S (2018). Pathological tumor regression grade of metastatic tumors in lymph node predicts prognosis in esophageal cancer patients. *Cancer Sci* 109(6):2046-2055.
- 4 Karamitopoulou E, Thies S, Zlobec I, Ott K, Feith M, Slotta-Huspenina J, Lordick F, Becker K and Langer R (2014). Assessment of tumor regression of esophageal adenocarcinomas after neoadjuvant chemotherapy: comparison of 2 commonly used scoring approaches. *Am J Surg Pathol* 38(11):1551-1556.
- 5 Langer R, Becker K, Zlobec I, Gertler R, Sisic L, Buchler M, Lordick F, Slotta-Huspenina J, Weichert W, Hofler H, Feith M and Ott K (2014). A multifactorial histopathologic score for the prediction of prognosis of resected esophageal adenocarcinomas after neoadjuvant chemotherapy. *Ann Surg Oncol* 21(3):915-921.
- 6 Lokuhetty D, White V, Watanabe R and Cree IA (eds) (2019). *Digestive System Tumours. WHO Classification of Tumours, 5th Edition*, IARC Press, Lyon, France.
- 7 Noble F, Nolan L, Bateman AC, Byrne JP, Kelly JJ, Bailey IS, Sharland DM, Rees CN, Iveson TJ, Underwood TJ and Bateman AR (2013). Refining pathological evaluation of neoadjuvant therapy for adenocarcinoma of the esophagus. *World J Gastroenterol* 19(48):9282-9293.