

Adenosquamous carcinoma has inferior prognosis to signet ring cell carcinoma in patients with gastric cancer

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Abstract

Primary gastric adenosquamous carcinoma (ASC) is an exceedingly rare histological subtype. This study aims to investigate the clinicopathological characteristics and prognosis of gastric ASC. A cohort of gastric patients was retrospectively collected from the surveillance, epidemiology, and end results program (SEER) database. The 1:4 propensity score matching (PSM) was performed among this cohort. The clinicopathological features and prognosis of gastric ASC were compared with gastric signet ring cell carcinoma (SRC) by descriptive statistics. The Cox proportional hazards regression models were used to identify prognostic factors. Kaplan-Meier method was utilized to calculate the median survival of the 2 groups of patients. Totally 6063 patients with gastric cancer were identified. A cohort of 465 patients was recruited to the matched population, including 370 patients with SRC and 95 patients with ASC. The prognosis was not statistically different between gastric SRC and ASC before PSM. Nevertheless, gastric ASC appeared inferior prognosis to SRC after PSM. In the post-matching cohort, the median cancer specific survival

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