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TÍTULO: Evaluation of surgical performance in gastric cancer patients using P-POSSUM: a 5-year revision from a regional center

OBJECTIVO: Surgery has an important role in gastric cancer as a curative or palliative procedure. Postoperative morbidity and mortality are considered representative of surgical activity and quality. P-POSSUM is a model of evaluation and prediction of surgical risk and the ratio between real morbidity/mortality and the predicted through the POSSUM may help to plan more effective treatment approaches. We pretend to evaluate the surgical results in gastric cancer patients operated in our institution through the comparison of observed postoperative morbidity and mortality and the predicted risk by P-POSSUM.

MATERIAL E MÉTODOS: A retrospective study was performed in 81 patients with gastric cancer who underwent surgery between January 2008 and December 2012. The variables collected were: clinical presentation, diagnosis, staging, surgical procedure and complications within 30 postop. days. P-POSSUM was used to estimate the number of morbidity and mortality events in 4 risk groups.

RESULTADOS: Within 30 days of surgery, 5 patients died (5.9%) and 27 patients (33.3%) had postop. complications. P-POSSUM estimated mortality for 10 cases (12.4%) and morbidity for 51 patients (63%). P-POSSUM overpredicted postoperative complications and mortality particularly in high risk groups.

DISCUSSÃO: The observed results were globally better than the predicted ones. P-POSSUM is an adequate tool to stratify the risk of postop. complications, optimize the preoperative resources and evaluate surgical results in surgical audits.

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