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Observational Study

Gastric blunt traumatic injuries: A computed tomography grading classification

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Abstract

AIM

The aim of this study is to produce a radiological grading of gastric traumatic injuries.

METHODS

In our study, we retrospectively analyzed 32 cases of blunt gastric traumatic injuries and compared CT data with patients' surgical or medical development. In all cases, a basal phase was acquired, and an intravenous contrast material was administered via an antecubital venous catheter with acquisition in the venous phase (70-90 seconds). In addition, a further set of delayed scans was performed 4-5 min after the first scanning session, without supplementary intravenous contrast material, to identify or better define areas of active bleeding. All CT examinations were retrospectively reviewed by two radiologists, with more than 5 years of experience in emergency radiology, to detect signs of gastric injuries and/or associated abdominal lesions according to literature data. Specific CT findings for gastric rupture include luminal

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