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Publish Year: 2015

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Feb 19, 2015 · Pancreatic fistula is still one of the most serious and potential complications after D2-D3 distal and total gastrectomy (4% to 6%). Despite their importance, pancreatic fistulas still have not been uniformly defined. Amylase concentration of the drainage fluid after surgery for gastric cancer can be considered as a predictive factor of the presence of pancreatic fistula.

Published in: World Journal of Surgical Oncology · 2015

Authors: Angelo De Sol · Roberto Cirocchi · Micol Sole Di Patrizi · Andrea Boccolini · Ivan Barill...

Affiliation: University of Perugia

About: Splenectomy · Risk factor · Biomarker · Amylase · Drainage · Gastrectomy

## Two-point measurement of amylase in drainage fluid ...

[https://www.researchgate.net/publication/323149423\\_Two-point\\_measurement\\_of\\_amylase\\_in...](https://www.researchgate.net/publication/323149423_Two-point_measurement_of_amylase_in...)

Although the authors argue that the measurement of amylase level in drainage fluid can predict early de- tection of pancreatic fistula, there is no evidence that it contributes to improve the ...



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**Name of Journal:** *World Journal of Gastroenterology*

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**Is the measurement of drain amylase content useful for predicting pancreas-related complications after gastrectomy with systematic lymphadenectomy?**

Nakanishi K *et al.* Measurement of drain amylase in GC

Koki Nakanishi, Mitsuro Kanda, Junichi Sakamoto, Yasuhiro Kodera

### Abstract

Many studies investigating postoperative pancreatic fistula (POPF) after gastrectomy, including studies measuring drain amylase content (D-AMY) as a predictive factor have been reported. This article reviews previous studies and looks to the future of measuring D-AMY in patients after gastrectomy. The causes of pancreatic fluid leakage are; the parenchymal and/or thermal injury to the pancreas, and blunt injury to the pancreas by compression and retraction. Measurement of D-AMY to predict POPF has become common in clinical practice after pancreatic surgery and was later extended to the gastric surgery.

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**Author:** Angelo De Sol, Roberto Cirocchi, Mico...

**Publish Year:** 2015

## Amylase in drain fluid for the diagnosis of pancreatic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6478074>

Apr 07, 2017 · Variations in when the studies measured the **amylase content** in the **drain** and what level was considered abnormal meant that we were not able to combine the data to provide the overall results. We are uncertain whether **drain** fluid **amylase** is **useful** in identifying pancreatic leaks because of the following reasons. 1.

**Author:** Tsetsegedemberel Bat-Ulzii Davidso...

**Publish Year:** 2017

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<https://link.springer.com/article/10.1007/s10120-018-0805-2> ▼

Feb 13, 2018 · Early identification of patients at risk of postoperative pancreatic fistula (POPF) allows appropriate management **after gastrectomy**. Although some reports have suggested a correlation between POPF and the concentration of **amylase** in drained abdominal fluid (D-AMY), this has not been proven to impact sufficiently on clinical decision-making. A sustained high level



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