



Available online at  
**ScienceDirect**  
[www.sciencedirect.com](http://www.sciencedirect.com)

Elsevier Masson France  
**EM|consulte**  
[www.em-consulte.com/en](http://www.em-consulte.com/en)



## VISCERAL SURGERY VIDEOS

# Total duodenectomy without pancreatectomy for familial adenomatous polyposis (with video)



J.-R. Delpero\* O. Turrini J. Ewald

View metadata, citation and similar papers at [core.ac.uk](http://core.ac.uk)

brought to you by CORE

provided by Elsevier - Publisher Connector

*Institut Paoli-Calmettes, 232, boulevard de Sainte-Marguerite, 13009 Marseille, France*

Available online 11 October 2014

### KEYWORDS

Duodenectomy;  
Familial adenomatous polyposis;  
Duodenal tumor;  
Prophylactic surgery

Total duodenectomy without pancreatectomy was first reported in 1995 in a patient with duodenal polyposis (familial adenomatous polyposis) [1]. The goal of this procedure is to resect the duodenum in total with pancreatic head and papilla preservation. A duodeno-jejunal anastomosis is then performed associated with an anastomosis between the papilla and the jejunum. Advantages of this procedure are to resect all duodenal mucosa preserving pancreatic parenchyma and avoiding high-risk pancreato-digestive and bilio-digestive anastomoses on normal pancreas and small main duct, respectively. Another advantage is that long-term endoscopic follow-up is feasible after this surgical procedure. Total duodenectomy without pancreatectomy is part of the prophylactic surgical procedures in patients with cancer linked to genetics (including MYH polyposis). Indications and pro/cons of this procedure are reported in "Les recommandations pour les professionnels" published in 2009 by l'Institut national du cancer [2]. Largest series to date included 22 patients [3].

### Disclosure of interest

The authors have not supplied their declaration of conflict of interest.

\* Corresponding author.  
E-mail address: [delperojr@ipc.unicancer.fr](mailto:delperojr@ipc.unicancer.fr) (J.-R. Delpero).

## Appendix A. Supplementary data

Supplementary data associated with this article can be found, in the online version, at <http://dx.doi.org/10.1016/j.jviscsurg.2014.03.003>.

## References

- [1] Chung RS, Church JM, vanStolk R. Pancreas-sparing duodenectomy: indications, surgical technique, and results. *Surgery* 1995;117:254–9.
- [2] [https://www.e-cancer.fr/component/docman/doc\\_download/1038-chirurgie-prophylactique-des-cancers-avec-predisposition-genetique-polypose-adenomateuse-familiale-et-polypose-liee-a-myh](https://www.e-cancer.fr/component/docman/doc_download/1038-chirurgie-prophylactique-des-cancers-avec-predisposition-genetique-polypose-adenomateuse-familiale-et-polypose-liee-a-myh)
- [3] Mackey R, Walsh RM, Chung R, et al. Pancreas-sparing duodenectomy is effective management for familial adenomatous polyposis. *J Gastrointest Surg* 2005;9:1088–93.