

**A Lesser-Known Hepatic Anatomical and Surgical Structure: the Rouviere-Gans Incisura (RGI)**

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**Abstract**

Rouviere-Gans incisura (RGI) is a relatively frequent hepatic anatomo-surgical structure (it appears in 52%-80% of cases), but it is not well-known in hepatic surgery. The presence of RGI is an important landmark to avoid biliary lesions during laparoscopic cholecystectomy, since it allows the isolation of the right posterior glissonean pedicle in 70% of cases, therefore simplifying the resection of the posterior right hepatic section or its segments (Sg6 and Sg7). While performing a right posterior hepatic resection for living-donor liver transplantation, the presence of the RGI facilitates the dissection of the vasculo-biliary structures in the right posterior glissonean pedicle.

**Key words:** Rouviere-Gans incisura (RGI), right posterior glissonean pedicle, laparoscopic cholecystectomy, anatomical liver resections, liver transplant from living donor