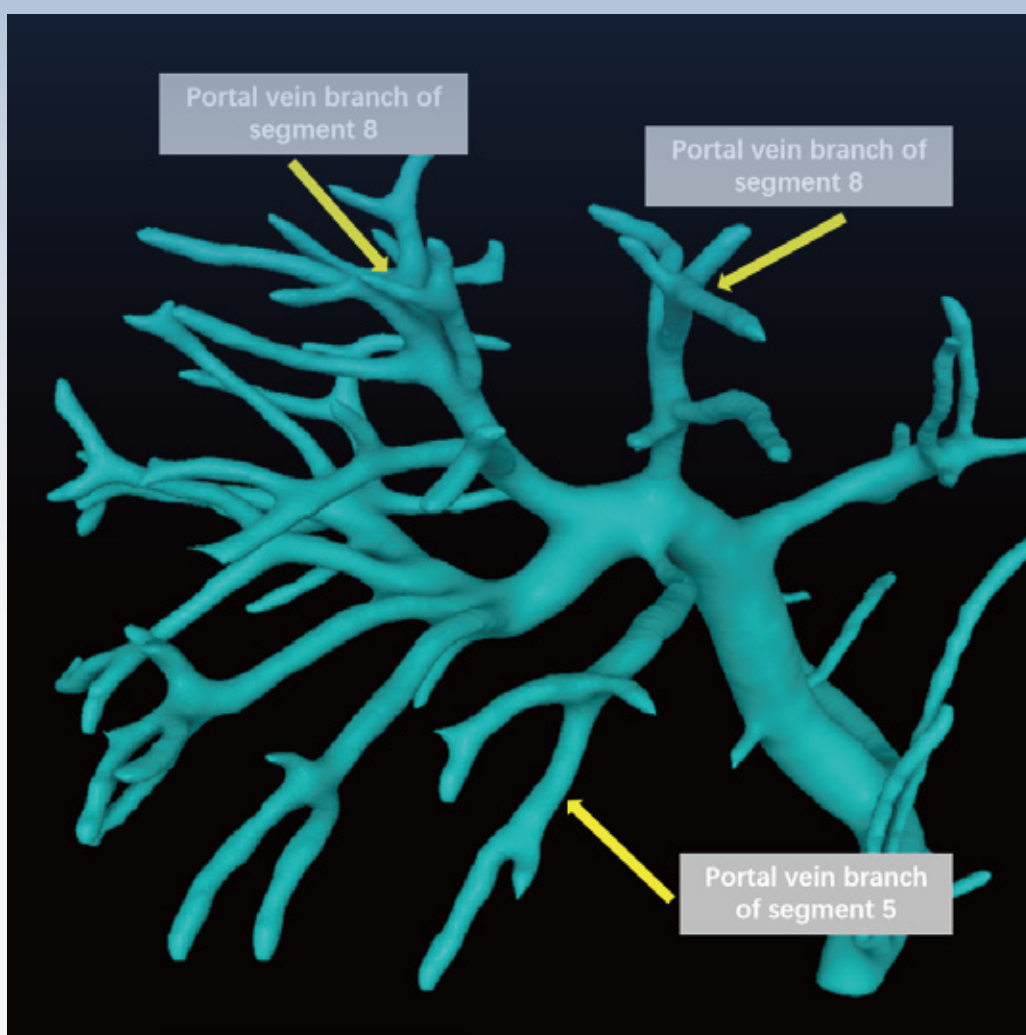


Liver Surgery Case VI

**Portal Vein Variation
(Three Portal Vein
Branches in the Right
Anterior Liver, Including
Two Branches to
Segment 8; Arch-Shaped
Right Posterior Branch of
the Portal Vein)**

In this case, the patient presents with a variation in the portal vein branches. Specifically, the right anterior branch of the portal vein has three branches: one branch to segment 5, and two branches to segment 8. The surgical implications are as follows:



- For anatomical segmental hepatectomy, it is necessary to locate and puncture the segmental portal vein branches for dye injection, or to ligate the corresponding portal vein branches for reverse staining.
- In this case, during resection of segment 8, both branches must be addressed to avoid leaving behind untreated tissue.
- The presence of two distinct branches to segment VIII facilitates accurate localization and delineation of the resection plane, allowing more precise subsegmental resection (subsegment VIII).



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