TAL COOLING DURING A TOTAL LIVER CLAMPAGE. V16. — LIVER RESECTION AND VASCULAR RECONSTRUCTION UNDER PROTECTVE INTRAPOR-

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consider the intraportal cooling. interventional preoperative procedures. When prolonged normothermic hepatic ischemia is expected, it is likely to embolization is important and now, largely used. The venous outflow is also of importance, but little is published about the tumours are localized close to ,and encasting the 3 main sus-hepatic veins The parenchymal preparation by portal Large hepatic resections still remain a challenge for a safe but radical resection. One of the worst situation is facing when

and operated(attempt to resection) before. The tumour was resected (segments 1,4,5,6,7,8) including the extrahepatic exposed to a serious life-threatening risk. The prolonged hilar clampages, the small residual liver parenchyma, and the jugular vein) between the intraparenchymal left hepatic vein and the vena cava(reconstructed as well) This surgery bile duct and the 3 ostia of the main sus-hepatic veins. The vascular reconstruction necessitated a venous graft(internal We present a patient with an intrahepatic cholangiocarcinoma, already treated(chemotherapy and biliary endoprothesis) performed a part of the operation, under complete vascular liver clampage, but with continuous cold perfusion hemodynamic instability associated to a total clampage of the vena cava necessitated the procedures described here. We

The postoperative hepatic biology were moderately abnormal for less than 2 weeks The patient is alive and disease free (HTK/4°c) during 1 hour. In addition, veno-venous by pass was used during the caval clampage.

particularly those involving sus-hepatic veins and vena cava The peroperative cold protection of the liver's parenchyma could extend the safety of resection for complex tumours.