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Current status of associating liver partition with portal vein ligation for staged hepatectomy - comparison with two-stage hepatectomy and strategies for better outcomes

Au KP *et al.* Strategies for a better ALPPS

Kin Pan Au, Albert Chi Yan Chan

### Abstract

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Since its introduction in 2012, associating liver partition with portal vein ligation for staged hepatectomy (ALPPS) has significantly expanded the pool of candidates for liver resection. It offers patients with insufficient liver functional remnant a chance of cure. ALPPS is most controversial when its high morbidity and mortality is concerned. Operative mortality is usually a result of post-hepatectomy liver failure, and can be minimized with careful patient selection. Elderly patients have limited reserve for tolerating the demanding operation. Patients with colorectal liver metastasis (CRLM) have normal liver and are ideal candidates. ALPPS for cholangiocarcinoma is technically challenging and associated with fair outcomes. Patients with hepatocellular carcinoma have chronic liver disease and limited parenchymal hypertrophy. However, in selected patients with limited hepatic fibrosis satisfactory outcomes have been produced. During the inter-stage period, serum bilirubin and creatinine level and presence of surgical complication predict mortality after stage II. Kinetic growth rate and hepatobiliary scintigraphy also guide the decision whether to postpone or omit stage II surgery. The outcomes of ALPPS have been improved by a

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Feb 27, 2016 · **Associating liver partition and portal vein ligation for staged hepatectomy (ALPPS)** is a novel approach in **liver** surgery that allows for extensive resection of **liver** parenchyma by inducing a rapid hypertrophy of the future remnant **liver**. However, recent reports indicate that not all patients eligible for ALPPS will benefit from this procedure.

Cited by: 3 Author: Jun Li, Florian Ewald, Amit Gulati, Björn ...  
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### Associating liver partition and portal vein ligation for ...

<https://www.sciencedirect.com/science/article/pii/S1499387216601741>

Background. **Associating liver partition and portal vein ligation for staged hepatectomy (ALPPS)** has recently been developed to induce rapid **liver** hypertrophy and reduce post-hepatectomy **liver** failure in patients with insufficient future **liver** remnant (FLR).

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Publish Year: 2017

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[https://link.springer.com/chapter/10.1007/978-3-319-13896-1\\_15](https://link.springer.com/chapter/10.1007/978-3-319-13896-1_15) ▾

**Associating liver partition and portal vein ligation for staged hepatectomy (ALPPS)** has recently been introduced as a promising two-stage strategy to induce large ...

Cited by: 1 Author: Fernando A. Alvarez, Eduardo de Santib...  
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[hbsn.amegroups.com/article/view/25724/23933](https://hbsn.amegroups.com/article/view/25724/23933) ▾

Moris D, Ronnekleiv-Kelly S, Kostakis ID, et al. Operative Results and Oncologic Outcomes of **Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy (ALPPS)** Versus Two-Stage Hepatectomy (TSH) in Patients with Unresectable Colorectal Liver Metastases: A Systematic Review and Meta-Analysis.

Author: Wan Yee Lau Publish Year: 2019

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## Role of associating liver partition and portal vein ligation in staged ...

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作者: A Abbasi - 2018 - 被引用次数: 3 - [相关文章](#)

2018年9月17日 - ... and portal vein ligation in staged hepatectomy (ALPPS)-strategy for ... procedure, initial reports of higher ALPPS-associated complications ...

## An updated systematic review of the evolution of ALPPS and e ...

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NA Albati 저술 - 2019 - 관련 학술자료

2019. 6. 27. - **Two-stage hepatectomy** is advocated to achieve **liver resection** in a patient who is ...  
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2015. 4. 22. - **Hepatectomy** for colorectal **liver** metastases has proven **effective** ... **Associated liver partition and portal vein ligation** (ALPPS) for **staged** .... The patient's general **condition** and remnant **liver** function were .... Adam R, Laurent A, Azoulay D, Castaing D, Bismuth H. **Two-stage hepatectomy**: a planned **strategy** ...

## Associating Liver Partition and Portal Vein Ligation for Staged ...

<https://www.karger.com/Article/FullText/488097> - 이 페이지 번역하기

H Lang 저술 - 2018 - 3회 인용 - 관련 학술자료

2018. 4. 5. - **Associating Liver Partition and Portal vein ligation for Staged hepatectomy** ... **Hepatectomy** in the Treatment of Colorectal **Liver** Metastases: **Current** Scenario ... In 2000, **two-stage hepatectomy** (TSH) was introduced to enable the ... The **best results** are comparable to outcome data after surgery for primarily ...

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