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nically applicable **surgical** planning **solutions** are nowadays available from companies such ... stems for **Computer Aided Liver Surgery** (CALS is topic of ongoing research ... situation **in** order to provide **up-to-date** image guidance. Fast and accurate **intra-operative** detection, modeling, and tracking of deformation remain the.

Current Evidence in Image-Guided Liver Surgery - NCBI - NIH

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作者: AL Simpson - 2016 - 被引用次数: 4 - [相关文章](#)

2016年3月8日 - This review will describe the state of image guided **liver surgery** and ... To **date**, both the Explorer and CAS-One systems have been used What is the limitation of CT and MRI scans for **intraoperative treatment** of **liver** tumors? ... Impact of virtual tumor **resection** and **computer-assisted** risk analysis on ...

Computer-assisted Tumor Ablation for Patients With Liver Cancer ...

<https://www.clinicaltrials.gov/ct2/show/NCT03630068> ▾ [翻译此页](#)

2018年8月14日 - **In** patients with primary **liver** cancer arising from the **liver** cells, several ... It has been accepted as being equally effective as **surgical resection** **in** patients with ... using **computer-assisted** technology for thermal ablation of **liver** cancer. ... **intraoperative** knowledge of **treatment** success through overlapping of ...

[PDF] Robot assistance in liver surgery - UZ Gent

<https://www.uzgent.be/nl/home/Lists/.../studie+robotchirurgie+Troisi.pdf> ▾ [翻译此页](#)

Keywords robot-assisted **liver resection**; laparoscopic **liver resection**; **liver surgery** ... Meticulous knowledge of **surgical** anatomy, improvements **in perioperative** ... THE INTERNATIONAL JOURNAL OF MEDICAL ROBOTICS AND **COMPUTER ASSISTED SURGERY** ... **surgery dates** back to 2003 (**in** Italy), whereas the first.



Name of Journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 41857

Manuscript Type: MINIREVIEWS

Up-to-date intraoperative computer assisted solutions for liver surgery

Zygomalas A *et al.* Intraoperative computer assisted liver surgery

Apollon Zygomalas, Ioannis Kebagias

Abstract

Computer assisted surgical planning allowed for a better selection of patients, evaluation of operative strategy, appropriate volumetric measurements, identification of anatomical risks, definition of tumour resection margins and choice of surgical approach in liver oncologic resections and living donor liver transplantations. Although preoperative computer surgical analysis has been widely used in daily clinical practice, intraoperative computer assisted solutions for risk

Match Overview



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Overview of hepatic resection - UpToDate

<https://www.uptodate.com/contents/overview-of-hepatic-resection> ▼ [翻译此页](#)

作者：SA Curley - [相关文章](#)

2017年10月26日 - **Perioperative** outcomes for **hepatic resection** have improved due to better **surgical** ... and "**Surgical** techniques for managing **hepatic injury**" and "**Treatment** of localized ... and further subdivided into eight (Couinaud) segments **based** upon vascular supply and ... Simmonds **PC**, Primrose JN, Colquitt JL, et al.

[PDF]

Software Assistance for Preoperative Risk ... - Fraunhofer MEVIS

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作者：C Hansen - 2012 - [被引用次数：2](#) - [相关文章](#)

... Magdeburg, Germany. **Date** of Defense: May 10, 2012 ... This thesis contributes to the field of **computer-assisted liver surgery** with a focus on ... **In** addition, techniques for **intraoperative** support of **liver** interventions are introduced. First A potential curative **treatment** of **liver** cancer is the **surgical resection** of tumors. The.

Current Evidence in Image-Guided Liver Surgery - NCBI - NIH

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nically applicable **surgical** planning **solutions** are nowadays available from companies ... stems for **Computer Aided Liver Surgery** (CALS is topic of ongoing research since the ... situation in order to provide **up-to-date** image guidance. Fast and ... analyses and volumetrics as well as the use of **intraoperative** guided resec-

Computer-Assisted Liver Surgery: Clinical Applications and ...

https://www.researchgate.net/.../225305956_Computer-Assisted_Liver_Surg... - [翻译此页](#)

Request PDF on ResearchGate | **Computer-Assisted Liver Surgery**: Clinical Applications ... several clinically applicable **solutions** for **computer aided liver surgery** are available ... To **date**, various navigation systems are commercially available for ... In most reports this involves measuring and adapting for organ motion using ...

Overview of hepatic resection - UpToDate

<https://www.uptodate.com/contents/overview-of-hepatic-resection> ▼ [翻译此页](#)作者：SA Curley - [相关文章](#)

2017年10月26日 - **Perioperative** outcomes for **hepatic resection** have improved due to better **surgical** ... and further subdivided into eight (Couinaud) segments **based** upon vascular ... Simmonds PC, Primrose JN, Colquitt JL, et al. ... Indications and long-term outcome of **treatment** for benign **hepatic** tumors: a critical appraisal.

Current Evidence in Image-Guided Liver Surgery - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4970568/> - [翻译此页](#)作者：AL Simpson - 2016 - 被引用次数：7 - [相关文章](#)

2016年3月8日 - With these factors in mind, image-guided **liver surgery** aims to enhance ... To **date**, both the Explorer and CAS-One systems have been used What is the limitation of CT and MRI scans for **intraoperative treatment** of **liver** tumors? ... Impact of virtual tumor **resection** and **computer-assisted** risk analysis on ...

The Surgeon's Contribution to Image-Guided Oncology - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4513815/> ▼ [翻译此页](#)作者：C Benckert - 2014 - 被引用次数：5 - [相关文章](#)

2014年8月16日 - To **date**, this has mainly implicated refined preoperative imaging methods, ... With the advent of modern hybrid operating rooms, **intraoperative** ... The role of preoperative imaging in oncological **liver surgery** has ... and in order to optimise individual **surgical** planning, three-dimensional