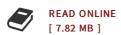




## The Impact of Virtual Reality on Liver Surgical Planning Procedures

By Elwishy, Hebbat Allah / Elkamesy, Nashaat

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Concepts, Technologies, Tools and Case Studies | While remarkable progress has been achieved in the field of surgical techniques, only little efforts were spent on improving the pre-operative planning process. A successful surgical intervention is critically dependent on the surgical planning procedures, techniques and tools adopted. Effective liver treatment require optimal accurate and detailed understanding of interior liver structure in order to guide decisions whether a patient should and/or can undergo surgery or not. Traditional surgical planning is mainly centered on volumetric information stored in a stack of 2D images gained via CT scanners provided for surgons to build their own 3D model of liver, tumor and vasculare which is a challenging task without having possible truthful simulation of the actual resection. Our vision is to trasfer the pre-operative planning process from desktop based system to 3D stereoscopic virtual reality environment where planning gets easy and intuitive process in the clinical routine. | Format: Paperback | Language/Sprache: english | 240 pp.



## Reviews

A high quality ebook along with the font employed was fascinating to read. It really is writter in easy phrases rather than confusing. I am just easily can get a satisfaction of looking at a composed publication.

-- Isai Bradtke

This publication might be well worth a read through, and much better than other. It is amongst the most incredible book i actually have read through. I am delighted to tell you that here is the finest book i actually have read through inside my own life and could be he best ebook for possibly.

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