Handbook of Robotic and Image-Guided Surgery

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37 CHAPTERS
980 PAGES

162 AUTHORS

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32 UNIVERSITIES
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12 COMPANIES

18 COUNTRIES

58 VIDEOS
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550 FIGURES
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ABSTRACT
Given its many features—such as excellent three-dimensional visualization, its use of a wide range of articulating surgical instruments, and advanced ergonomics—robotic surgery is expanding the scope of its adaptability and is now being used in more complicated and difficult operations. However, a robot's strength lies in executing simple operations, offering stylized movement, and providing steady and stable motion. Robot-assisted camera work is considered effective in endoscopic surgery, where it is extremely important to maintain a stable field of view; it also makes solo surgery possible. In this chapter, we introduce the solo surgery procedure using VIKY.