

OPTIMIZATION OF APPROACH IN VIDEOTHORACOSCOPIC SURGERY

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Summary

In order to improve videothoracoscopic intervention the authors introduced a method, based on implementation of novel computer technology of 3D modeling. Proposed method allows not only to choose operative approach, considering individual patient's features, but also to predict possible technical difficulties by means of determining of working space volume and zone of operative view. Using this method we reduced the rate of intra-operation complications and lethality, minimized operation injury, shortened the time of intervention, improved visual control and position of instrument during the intervention.