

# Near-infrared image-guided surgery

Near-infrared (NIR) image-guided surgery holds great promise for improved surgical outcomes. A number of NIR image-guided surgical systems are currently in preclinical and clinical development with a few approved for limited clinical use. In order to wield the full power of NIR image-guided surgery, clinically available tissue and disease-specific NIR fluorophores with a high signal-to-background ratio are necessary <sup>1)</sup>.

<sup>1)</sup>

Gibbs SL. Near infrared fluorescence for image-guided surgery. Quant Imaging Med Surg. 2012 Sep;2(3):177-87. doi: 10.3978/j.issn.2223-4292.2012.09.04. PMID: 23256079; PMCID: PMC3496513.

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