

# Indocyanine green videoangiography for vascular neurosurgery

## Indications

[Indocyanine green videoangiography indications for vascular neurosurgery.](#)

## Limitations

Intraoperative indocyanine green videoangiography (ICG-VA) has been widely used in vascular surgery, where vessels are clearly shown as white on a black background. However, other structures cannot be observed during ICG-VA.

Is not absolutely reliable as a stand-alone method during clipping of ophthalmic artery aneurysms and can be complemented with IA. ICGA can be used either as an alternative or complementary technique to IA during aneurysm surgery <sup>1)</sup>.

## Unclassified

Chen L, Mao Y. The application of indocyanine green videoangiography in the neurosurgery of vascular entities. World Neurosurg. 2014 Sep-Oct;82(3-4):e427-8. doi: 10.1016/j.wneu.2013.03.055. Epub 2013 Mar 26. PubMed PMID: 23541749.

<sup>1)</sup>

Sharma M, Ambekar S, Ahmed O, Nixon M, Sharma A, Nanda A, Guthikonda B. The Utility and Limitations of Intraoperative near Infrared Indocyanine Green Video- angiography (ICGA) in aneurysm surgery. World Neurosurg. 2014 Jun 4. pii: S1878-8750(14)00540-3. doi: 10.1016/j.wneu.2014.05.033. [Epub ahead of print] Review. PubMed PMID: 24907439.

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