

Thermal injury

Heat transfer from [bipolar forceps](#) tips to adjacent [tissue](#) presents a risk of thermal [injury](#) during surgery.

Bipolar forceps that incorporate heat pipe technology limited thermal spread and reduced the extent of unintended injury to the [spinal cord](#) and collateral vessels ¹⁾.

Traumatic [basilar artery aneurysm](#): possibly related to [thermal injury](#) from use of [laser](#) in performing [ETV](#) ²⁾.

¹⁾

Elliott-Lewis EW, Jolette J, Ramos J, Benzel EC. Thermal damage assessment of novel bipolar forceps in a sheep model of spinal surgery. Neurosurgery. 2010 Jul;67(1):166-71; discussion 171-2. PubMed PMID: 20568670.

²⁾

McLaughlin MR, Wahlig JB, Kaufmann AM, Albright AL. Traumatic Basilar Aneurysm After [Endoscopic Third Ventriculostomy](#): [Case Report](#). Neurosurgery. 1997; 41:1400-1404

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