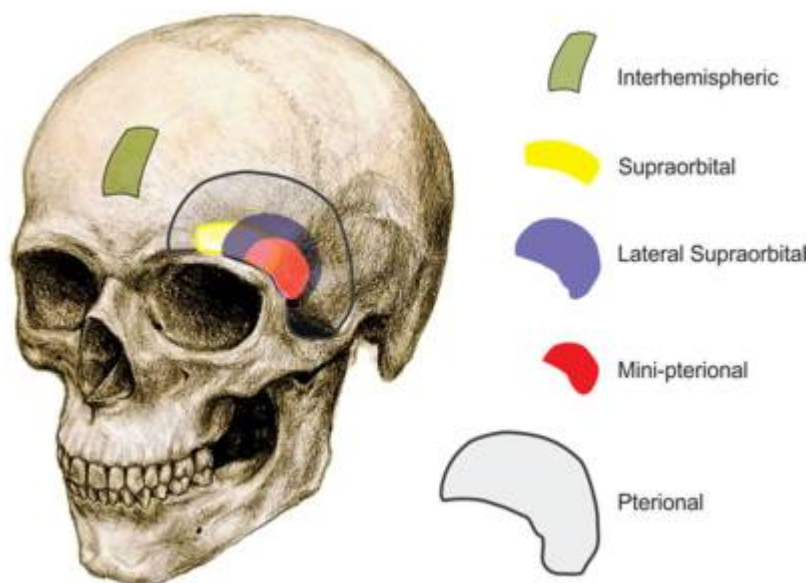


# Lateral supraorbital approach



[Supraorbital eyebrow](#)), and lateral approaches

see also [Contralateral supraorbital approach](#).

The lateral [supraorbital approach](#) is a minimally invasive modification of the standard [pterional approach](#).

It was extensively and successfully used by [Juha Hernesniemi](#), <sup>1) 2) 3) 4)</sup> it avoids the approach through the [sylvian fissure](#) (SF) and irrespective of the SF anatomy approaches the aneurysms immediately subfrontally. The SF is only partially open.

## Indications

[Lateral supraorbital approach indications](#).

## Technique

[Lateral supraorbital approach technique](#).

## Videos

Lateral Supraorbital Approach Applied to Anterior Clinoidal Meningiomas Video 1

`<html><iframe width="420" height="315" src="https://www.youtube.com/embed/iNwCeUC_Qmk" frameborder="0" allowfullscreen></iframe></html>`

Lateral Supraorbital Approach Applied to Anterior Clinoidal Meningiomas Video 2

<html><iframe width="420" height="315" src="https://www.youtube.com/embed/nv4nQz9-GOc" frameborder="0" allowfullscreen></iframe></html>

Lateral Supraorbital Approach Applied to Anterior Clinoidal Meningiomas Video 3

<html><iframe width="420" height="315" src="https://www.youtube.com/embed/MLtY89mReO0" frameborder="0" allowfullscreen></iframe></html>

Lateral Supraorbital Approach Applied to Anterior Clinoidal Meningiomas Video 4

<html><iframe width="420" height="315" src="https://www.youtube.com/embed/23-TucMU--M" frameborder="0" allowfullscreen></iframe></html>

## Case series

[Lateral supraorbital approach case series.](#)

## References

<sup>1)</sup>

Hernesniemi J, Ishii K, Niemelä M, Smrcka M, Kivipelto L, Fujiki M, Shen H. Lateral supraorbital approach as an alternative to the classical pterional approach. Acta Neurochir Suppl. 2005;94:17-21. PubMed PMID: 16060236.

<sup>2)</sup>

Hernesniemi J, Dashti R, Lehecka M, Niemelä M, Rinne J, Lehto H, et al. Microneurosurgical management of anterior communicating artery aneurysms. Surg Neurol. 2008;70:8-28.

<sup>3)</sup>

Lehecka M, Dashti R, Romani R, Celik O, Navratil O, Kivipelto L, et al. Microneurosurgical management of internal carotid artery bifurcation aneurysms. Surg Neurol. 2009;71:649-67.

<sup>4)</sup>

Romani R, Laakso A, Niemelä M, Lehecka M, Dashti R, Isarakul P, et al. Microsurgical principles for anterior circulation aneurysms. Acta Neurochir Suppl. 2010;107:3-7.

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