

Computed tomography angiography

[Computed tomography angiography](#) (CTA) is a [computed tomography](#) technique used to visualize [artery](#) and [veins](#) throughout the body. This ranges from arteries serving the brain to those bringing blood to the lungs, kidneys, arms, and legs.

In neurosurgery

- [Deep learning-based fine-grained assessment of aneurysm wall characteristics using 4D-CT angiography](#)
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- [Trigeminal neuralgia caused by compression of the trigeminal nerve between the vertebral artery and Meckel's cave meningioma extending to the posterior fossa successfully treated with the endoscopic-assisted anterior petrosal approach](#)
- [Microvascular decompression of trigeminal nerve through endoscopic retrosigmoid keyhole approach: Anatomical considerations of the trigeminocerebellar artery, technical pearls, and pitfalls](#)
- [Mechanical thrombectomy for cerebral embolism due to cardiac papillary fibroelastoma: A case report](#)
- [A case of isolated radiculomedullary artery aneurysm with subarachnoid hemorrhage that spontaneously thrombosed following a microcatheter procedure](#)
- [Golden hour management in the patient with intraparenchymal cerebral hemorrhage: an Italian intersociety document](#)
- [Invisible Until It Burst: Unexpected Subarachnoid Hemorrhage From a Rapid-Onset Infectious Aneurysm in a Patient With Endocarditis](#)

With the development of CTA, [MRA](#) and [3D-DSA](#), more and more patients with [intracranial aneurysms](#) have been detected.

Indications

[Computed Tomography Angiography Indications.](#)

Multiphase CT angiography

[Multiphase CT angiography.](#)

Single-phase CT angiography

Dynamic computed tomography angiography

see [Dynamic computed tomography angiography](#).

Four dimensional computed tomography angiography

see [Four dimensional computed tomography angiography](#).

Three-dimensional computed tomography angiography

see [Three-dimensional computed tomography angiography](#).

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