

# **CTA Brain (CT Angiogram)**



## **What is a CTA of the Brain?**

CT angiography is used to examine the blood vessels in the head. Angiography can be performed using CT or MRI.

Routine protocol is to perform a CTA of the carotids and brain together.

## **CPT Code**

70496 With Contrast

## **Indications**

With Contrast: headache, neck pain, vertigo, syncope, aneurysm, TIA or stroke symptoms

## **Contraindications**

For contrast exams, patients on glucophage/metformin must not take medications the day of the test. Additionally, the patient must stay off these medications for 48 hours after the CT. The patient must return to their referring physician in 48 hours and have a creatinine drawn. Based on those results, the patient may resume medication per their physician instructions.

Pregnancy.

Allergy to contrast material.

## **How Does Your Patient Prepare?**

With contrast studies: A current creatinine (30 days) is required if the patient is 60 years of age or older. Additionally, the patient must be NPO for 6 hours prior to the exam.

Your patient should also inform his doctor of any recent illnesses or other medical conditions, and if he has a history of heart disease, asthma, diabetes, kidney disease or thyroid problems. Any of these conditions may increase the risk of an unusual adverse effect.

## **What Happens During the Test?**

Your patient will be asked to remove any jewelry and the technologist will obtain a medical history. The patient will be instructed to lie on his back during the exam. The patient will be asked to remain very still during the scanning process. The scan should take approximately 30 minutes.

## **After the Test**

Your patient may resume normal activities following the CT. If a contrast material was used and the patient is on glucophage/metphormin, the patient must stay off the medication for 48 hours. Additionally, he must return to his referring physician in 48 hours to have a creatinine drawn. Based on these results, the patient may resume medication in accordance with his physician's instructions.

## **The Results**

A radiologist will analyze the images and send a signed report to the referring physician within 1 business day.

(Information adapted from [www.radiologyinfo.org](http://www.radiologyinfo.org) and Dr. Charles De Pena)

*This manual is intended for use as merely a guideline for referring physicians and their staff only. It contains information pertaining to the most commonly ordered exams and indications. However, Iowa Radiology does not recommend any particular examination. Individual radiologist preference or patient circumstances may dictate ordering alternative studies. Although contrast codes are not needed to place an order, the following contrast codes may be used in placing orders:*

*CT Contrast Q9967, MRI contrast A9577 and A9579.*