

TIA - Case #1

Physician Report

EXAM: CT Head, noncontrast

CLINICAL HISTORY: TIA

COMPARISON: None

FINDINGS: There is no opacification of the paranasal sinuses or mastoid air cells. No lytic or blastic calvarial lesions. No evidence of acute infarct, intracranial bleed, midline shift, hydrocephalus or extra-axial fluid collections is seen.

IMPRESSION: Normal exam. ER physician was notified immediately after the exam.

Coding Summary

	ICD-9	ICD-10
Primary Dx	435.9 - Unspecified transient cerebral ischemia	G45.9 - Transient cerebral ischemia attack, unspecified

ICD-10 Guidance

3 potential ICD-10 codes exist under G45 - Transient ischemia.

Carotid Stenosis - Case #2

Physician Report

EXAM: Carotid Doppler

CLINICAL HISTORY: Bruit

Comparison: None

Findings: Gray scale imaging, Doppler color flow imaging and spectral waveform analysis were done of the extra cranial carotid and vertebral arteries in the neck.

There is moderate plaque at the carotid bulbs. The peak systolic, end diastolic velocity of the right internal carotid artery is 76, 12 cm/sec with ICA/CCA ratio of 2.1. The peak systolic, end diastolic velocity of the left internal carotid artery is 235, 56 cm/sec with ICA/CCA ratio of 9.5. These values indicate stenosis in the greater than 70% range at the left ICA. Antegrade flow is seen in the external carotid and vertebral arteries.

Impression:

1. Greater than 70% stenosis of left ICA.
2. Negative for stenosis of right ICA

Coding Summary

	ICD-9	ICD-10
Primary Dx	433.10 - Occlusion and stenosis of carotid artery, without cerebral infarction	I65.22 - Occlusion and stenosis of left carotid artery

ICD-10 Guidance

4 potential ICD-10 codes exist under I65 - Stenosis of carotid artery

- Location (carotid artery)
- Laterality (left)

Intracranial Hemorrhage - Case #3

Physician Report

EXAM: Head CT without Contrast

CLINICAL HISTORY: Intracranial hemorrhage. **Cerebral aneurysm.**

TECHNIQUE: CT of the head was performed without contrast.

FINDINGS: A right frontal ventriculostomy catheter is again seen terminating near the midline in the frontal horn of the right lateral ventricle. Diffuse intraventricular hemorrhage is again seen, and the size of the ventricles is smaller. Diffuse subarachnoid hemorrhage is also seen over the lateral cerebral hemispheres, most pronounced in the Sylvian fissures, right greater than left and also in the basal cisterns, which is similar in appearance. Mild right to left midline shift is seen, which is slightly increased measuring approximately 7 mm. Diffuse hypodensity in the left frontal lobe is again noted.

IMPRESSION: Diffuse **subarachnoid hemorrhage** and intraventricular hemorrhage is again seen, which is similar in appearance. Right frontal ventriculostomy catheter is seen in similar position, and the ventricles are overall decreased in size. Diffuse low density is again noted, likely related to cerebral edema and is greater on the left than the right.

Coding Summary

	ICD-9	ICD-10
Primary Dx	430 - Subarachnoid hemorrhage	I60.9 - Nontraumatic subarachnoid hemorrhage , unspecified

ICD-10 Guidance

20 potential ICD-10 codes exist under I60 - Subarachnoid hemorrhage

- Origin of hemorrhage (not specified)
- Non-traumatic (cerebral aneurysm)
- Location (subarachnoid)

Signs and Symptoms - Case #4

Physician Report

EXAM: CT Head without Contrast

HISTORY: **Mental status changes** and **slurred speech**.

TECHNIQUE: Routine imaging was obtained through the head without contrast.

FINDINGS: The calvarium is intact. Mucosal thickening within the ethmoid air cells, mucosal thickening within the left maxillary sinus with air-fluid level. Mastoids appear to be under pneumatized. The ventricles are symmetric and nondilated. The basal cisterns are patent. No extra axial fluid collections, acute intracranial hemorrhage, midline shift or mass effect is noted. The brain parenchyma is grossly normal in attenuation.

IMPRESSION: Ethmoid and left maxillary sinus disease otherwise no acute intracranial process.

Coding Summary

	ICD-9	ICD-10
Primary Dx	780.97 - Altered mental status 784.59 - Other speech disturbance	R41.82 - Altered mental status, unspecified R47.81 - Slurred speech

ICD-10 Guidance

2 potential ICD-10 codes exist under R41 - Altered mental status.

4 potential ICD-10 codes exist under R47 - Speech disorder