Understanding and Applying ICD-10-CM Circulatory System Coding and Coding Guidelines

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Chapter 9: Diseases of the Circulatory System (I00-I99)

• Specific Coding Guidelines
  – Hypertension
  – Atherosclerotic Coronary Artery Disease and Angina
  – Intraoperative and Postprocedural Cerebrovascular Accident
  – Sequelae of Cerebrovascular Disease
  – Acute myocardial infarction (AMI)
Code Blocks

- I00-I02 Acute rheumatic fever
- I05-I09 Chronic rheumatic heart diseases
- I10-I15 Hypertensive diseases
- I20-I25 Ischemic heart diseases
- I26-I28 Pulmonary heart disease and diseases of pulmonary circulation
- I30-I52 Other forms of heart disease
- I60-I69 Cerebrovascular diseases
- I70-I79 Diseases of arteries, arterioles and capillaries
- I80-I89 Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified
- I95-I99 Other and unspecified disorders of the circulatory system
Hypertension with Heart Disease

- Heart conditions classified to I50.- or I51.4-I51.9, are assigned to, a code from category I11, Hypertensive heart disease, when a causal relationship is stated (due to hypertension) or implied (hypertensive).
  - Use an additional code from category I50, Heart failure, to identify the type of heart failure in those patients with heart failure.
- The same heart conditions (I50.-, I51.4-I51.9) with hypertension, but **without a stated causal relationship**, are coded separately. Sequence according to the circumstances of the admission/encounter.
Hypertensive Chronic Kidney Disease

• Assign codes from category I12, Hypertensive chronic kidney disease, when both hypertension and a condition classifiable to category N18, Chronic kidney disease (CKD), are present.
  — Unlike hypertension with heart disease, ICD-10-CM presumes a cause-and-effect relationship and classifies chronic kidney disease with hypertension as hypertensive chronic kidney disease.

• The appropriate code from category N18 should be used as a secondary code with a code from category I12 to identify the stage of chronic kidney disease.

• If a patient has hypertensive chronic kidney disease and acute renal failure, an additional code for the acute renal failure is required.
Hypertensive Heart and Chronic Kidney Disease

• Assign codes from combination category I13, Hypertensive heart and chronic kidney disease, when both hypertensive kidney disease and hypertensive heart disease are stated in the diagnosis.
  – Assume a relationship between the hypertension and the chronic kidney disease, whether or not the condition is so designated.
  – If heart failure is present, assign an additional code from category I50 to identify the type of heart failure.

• The appropriate code from category N18, Chronic kidney disease, should be used as a secondary code with a code from category I13 to identify the stage of chronic kidney disease.
Hypertensive Heart and Chronic Kidney Disease: Combination

• The codes in category I13, Hypertensive heart and chronic kidney disease, are combination codes that include hypertension, heart disease and chronic kidney disease.
  – The Includes note at I13 specifies that the conditions included at I11 and I12 are included together in I13.
  – If a patient has hypertension, heart disease and chronic kidney disease then a code from I13 should be used, not individual codes for hypertension, heart disease and chronic kidney disease, or codes from I11 or I12.

• For patients with both acute renal failure and chronic kidney disease an additional code for acute renal failure is required.
Hypertensive Cerebrovascular Disease

• For hypertensive cerebrovascular disease, first assign the appropriate code from categories I60-I69, followed by the appropriate hypertension code.
Hypertensive Retinopathy

- Subcategory H35.0, Background retinopathy and retinal vascular changes, should be used with a code from category I10 – I15, Hypertensive disease to include the systemic hypertension. The sequencing is based on the reason for the encounter.
Secondary hypertension is due to an underlying condition.

- Two codes are required:
  - one to identify the underlying etiology
  - one from category I15 to identify the hypertension.

Sequencing of codes is determined by the reason for admission/encounter.
Assign code R03.0, Elevated blood pressure reading without diagnosis of hypertension, unless patient has an established diagnosis of hypertension.

Assign code O13.-, Gestational [pregnancy-induced] hypertension without significant proteinuria, or O14.-, Pre-eclampsia, for transient hypertension of pregnancy.
Hypertension, Controlled and Uncontrolled

• This diagnostic statement usually refers to an existing state of hypertension under control by therapy. Assign the appropriate code from categories I10-I15, Hypertensive diseases.

• Uncontrolled hypertension may refer to untreated hypertension or hypertension not responding to current therapeutic regimen. In either case, assign the appropriate code from categories I10-I15, Hypertensive diseases.
Atherosclerotic Coronary Artery Disease and Angina

• ICD-10-CM has combination codes for atherosclerotic heart disease with angina pectoris.
  – The subcategories for these codes are I25.11, Atherosclerotic heart disease of native coronary artery with angina pectoris
  – And I25.7, Atherosclerosis of coronary artery bypass graft(s) and coronary artery of transplanted heart with angina pectoris.
When using one of these combination codes for atherosclerotic heart disease with angina pectoris, it is not necessary to use an additional code for angina pectoris.

- A causal relationship can be assumed in a patient with both atherosclerosis and angina pectoris, unless the documentation indicates the angina is due to something other than the atherosclerosis.

If a patient with coronary artery disease is admitted due to an acute myocardial infarction (AMI), the AMI should be sequenced before the coronary artery disease.
Medical record documentation should clearly specify the cause-and-effect relationship between the medical intervention and the cerebrovascular accident in order to assign a code for intraoperative or postprocedural cerebrovascular accident.

Proper code assignment depends on whether it was an infarction or hemorrhage and whether it occurred intraoperatively or postoperatively. If it was a cerebral hemorrhage, code assignment depends on the type of procedure performed.
Category I69, Sequelae of Cerebrovascular Disease

- Category I69 is used to indicate conditions classifiable to categories I60-I67 as the causes of sequela (neurologic deficits), themselves classified elsewhere.
  - These “late effects” include neurologic deficits that persist after initial onset of conditions classifiable to categories I60-I67.
  - The neurologic deficits caused by cerebrovascular disease may be present from the onset or may arise at any time after the onset of the condition classifiable to categories I60-I67.
Category I69, Sequelae of Cerebrovascular Disease

- Codes from category I69, Sequelae of cerebrovascular disease, that specify hemiplegia, hemiparesis and monoplegia identify whether the dominant or nondominant side is affected.

- Should the affected side be documented, but not specified as dominant or nondominant, and the classification system does not indicate a default, code selection is as follows:
  - For ambidextrous patients, the default should be dominant.
  - If the left side is affected, the default is non-dominant.
  - If the right side is affected, the default is dominant.
Sequelae of Cerebrovascular Disease

- Codes from category I69 with codes from I60-I67
  - Codes from category I69 may be assigned on a health care record with codes from I60-I67, if the patient has a **current** cerebrovascular disease and **deficits** from an old cerebrovascular disease.
Sequelae of Cerebrovascular Disease

• Codes from category I69 and Personal history of transient ischemic attack (TIA) and cerebral infarction (Z86.73)
  – Codes from category I69 should not be assigned if the patient does not have neurologic deficits.
  – See Section I.C.21. 4. History (of) for use of personal history codes
Acute Myocardial Infarction (AMI)

- ST elevation myocardial infarction (STEMI) and non ST elevation myocardial infarction (NSTEMI)
  - The ICD-10-CM codes for acute myocardial infarction (AMI) identify the site, such as anterolateral wall or true posterior wall.
  - Subcategories I21.0-I21.2 and code I21.3 are used for ST elevation myocardial infarction (STEMI). Code I21.4, Non-ST elevation (NSTEMI) myocardial infarction, is used for non ST elevation myocardial infarction (NSTEMI) and nontransmural MIs.
If NSTEMI evolves to STEMI, assign the STEMI code. If STEMI converts to NSTEMI due to thrombolytic therapy, it is still coded as STEMI.
Acute Myocardial Infarction (AMI)

• For encounters occurring while the myocardial infarction is equal to, or less than, four weeks old, including transfers to another acute setting or a postacute setting, and the patient requires continued care for the myocardial infarction, codes from category I21 may continue to be reported.

• For encounters after the 4 week time frame and the patient is still receiving care related to the myocardial infarction, the appropriate aftercare code should be assigned, rather than a code from category I21.

• For old or healed myocardial infarctions not requiring further care, code I25.2, Old myocardial infarction, may be assigned.
Acute Myocardial Infarction, Unspecified

Code I21.3, ST elevation (STEMI) myocardial infarction of unspecified site, is the default for unspecified acute myocardial infarction. If only STEMI or transmural MI without the site is documented, assign code I21.3.
If an AMI is documented as nontransmural or subendocardial, but the site is provided, it is still coded as a subendocardial AMI.
Subsequent Acute Myocardial Infarction

• A code from category I22, Subsequent ST elevation (STEMI) and non ST elevation (NSTEMI) myocardial infarction, is to be used when a patient who has suffered an AMI has a new AMI within the 4 week time frame of the initial AMI.

• A code from category I22 must be used in conjunction with a code from category I21. The sequencing of the I22 and I21 codes depends on the circumstances of the encounter.
Coding Notes and Instructions: Hypertension

• Use additional code to identify:
  – exposure to environmental tobacco smoke (Z77.22)
  – history of tobacco use (Z87.891)
  – occupational exposure to environmental tobacco smoke (Z57.31)
  – **tobacco dependence (F17.-)**
  – tobacco use (Z72.0)

• I11.0, Hypertensive heart disease with heart failure
  – Hypertensive heart failure
  – **Use additional code to identify type of heart failure (I50.-)**
Coding Notes and Instructions: Hypertension

- I12.0, Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
  - Use additional code to identify the stage of chronic kidney disease (N18.5, N18.6)

- I12.9, Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
  - Hypertensive chronic kidney disease NOS
  - Hypertensive renal disease NOS
  - Use additional code to identify the stage of chronic kidney disease (N18.1-N18.4, N18.9)
Coding Notes and Instructions: Hypertension

• I13.0, Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
  – Use additional code to identify type of heart failure (I50.-)
  – Use additional code to identify stage of chronic kidney disease (N18.1-N18.4, N18.9)

• I13.1, Hypertensive heart and chronic kidney disease without heart failure
• I13.10, Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
  – Hypertensive heart disease and hypertensive chronic kidney disease NOS
  – Use additional code to identify the stage of chronic kidney disease (N18.1-N18.4, N18.9)
Coding Notes and Instructions: Hypertension

• I13.11, Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
  – Use additional code to identify the stage of chronic kidney disease (N18.5, N18.6)

• I13.2, Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
  – Use additional code to identify type of heart failure (I50.-)
  – Use additional code to identify the stage of chronic kidney disease (N18.5, N18.6)
Coding Notes and Instructions: Hypertension

- I15, Secondary hypertension
  - Code also underlying condition
Coding Notes and Instructions: Ischemic Heart Disease, Angina

- Ischemic heart diseases (I20-I25)
  - Use additional code to identify presence of hypertension (I10-I15)
- I20, Angina pectoris
  - Use additional code to identify:
    - exposure to environmental tobacco smoke (Z77.22)
    - history of tobacco use (Z87.891)
    - occupational exposure to environmental tobacco smoke (Z57.31)
    - tobacco dependence (F17.-)
    - tobacco use (Z72.0)
- I20.8, Other forms of angina pectoris
  - Angina equivalent
  - Angina of effort
  - Coronary slow flow syndrome
  - Stenocardia
    - Use additional code(s) for symptoms associated with angina equivalent
Myocardial Infarction

• I21, ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction
  Includes:
  – cardiac infarction
  – coronary (artery) embolism
  – coronary (artery) occlusion
  – coronary (artery) rupture
  – coronary (artery) thrombosis
  – infarction of heart, myocardium, or ventricle
  – myocardial infarction specified as acute or with a stated duration of 4 weeks (28 days) or less from onset

• Use additional code, if applicable, to identify:
  – exposure to environmental tobacco smoke (Z77.22)
  – history of tobacco use (Z87.891)
  – occupational exposure to environmental tobacco smoke (Z57.31)
  – status post administration of tPA (rtPA) in a different facility within the last 24 hours prior to admission to current facility (Z92.82)
  – tobacco dependence (F17.-)
  – tobacco use (Z72.0)
Coding Notes and Instructions: Subsequent Myocardial Infarction

- I22 Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction
- Includes:
  - acute myocardial infarction occurring within four weeks (28 days) of a previous acute myocardial infarction, regardless of site
  - cardiac infarction
  - coronary (artery) embolism
  - coronary (artery) occlusion
  - coronary (artery) rupture
  - coronary (artery) thrombosis
  - infarction of heart, myocardium, or ventricle
  - recurrent myocardial infarction
  - reinfarction of myocardium
  - rupture of heart, myocardium, or ventricle
- Use additional code, if applicable, to identify:
  - exposure to environmental tobacco smoke (Z77.22)
  - history of tobacco use (Z87.891)
  - occupational exposure to environmental tobacco smoke (Z57.31)
  - status post administration of tPA (rtPA) in a different facility within the last 24 hours prior to admission to current facility (Z92.82)
  - tobacco dependence (F17.-)
  - tobacco use (Z72.0)
Coding Notes and Instructions: Chronic Ischemic Heart Disease

- 125 Chronic ischemic heart disease
- Use additional code to identify:
  - chronic total occlusion of coronary artery (I25.82)
  - exposure to environmental tobacco smoke (Z77.22)
  - history of tobacco use (Z87.891)
  - occupational exposure to environmental tobacco smoke (Z57.31)
  - tobacco dependence (F17.-)
  - tobacco use (Z72.0)

- Category I25.1 Atherosclerotic heart disease of native coronary artery
  - Atherosclerotic cardiovascular disease
  - Coronary (artery) atheroma
  - Coronary (artery) atherosclerosis
  - Coronary (artery) disease
  - Coronary (artery) sclerosis
- Use additional code, if applicable, to identify:
  - coronary atherosclerosis due to calcified coronary lesion (I25.84)
  - coronary atherosclerosis due to lipid rich plaque (I25.83)
• Category I25.7 Atherosclerosis of coronary artery bypass graft(s) and coronary artery of transplanted heart with angina pectoris
  – Use additional code, if applicable, to identify:
    • coronary atherosclerosis due to calcified coronary lesion (I25.84)
    • coronary atherosclerosis due to lipid rich plaque (I25.83)
Coding Notes and Instructions: Atherosclerosis

- Category I25.8, Other forms of chronic ischemic heart disease
- Subcategory I25.81, Atherosclerosis of other coronary vessels without angina pectoris
  - Use additional code, if applicable, to identify:
    - coronary atherosclerosis due to calcified coronary lesion (I25.84)
    - coronary atherosclerosis due to lipid rich plaque (I25.83)

- I25.83, Coronary atherosclerosis due to lipid rich plaque
  - Code first
    - coronary atherosclerosis (I25.1-, I25.7-, I25.81-)

- I25.84, Coronary atherosclerosis due to calcified coronary lesion
  - Coronary atherosclerosis due to severely calcified coronary lesion
  - Code first
    - coronary atherosclerosis (I25.1-, I25.7-, I25.81-)
Coding Notes and Instructions: Pulmonary Embolism

- I26.0, Pulmonary embolism with acute cor pulmonale
- I26.01, Septic pulmonary embolism with acute cor pulmonale
  - Code first
    - underlying infection
- I26.90, Septic pulmonary embolism without acute cor pulmonale
  - Code first
    - underlying infection
Coding Notes and Instructions: Pulmonary Heart Disease

- I27, Other pulmonary heart diseases
- I27.0, Primary pulmonary hypertension
  - Excludes1:
    - pulmonary hypertension NOS (I27.2)
    - secondary pulmonary hypertension (I27.2)
- I27.1, Kyphoscoliotic heart disease
- I27.2, Other secondary pulmonary hypertension
  - Pulmonary hypertension NOS
  - Code also
    - associated underlying condition
- I27.82, Chronic pulmonary embolism
  - Use additional code, if applicable, for associated long-term (current) use of anticoagulants (Z79.01)
Coding Notes and Instructions: Pericarditis

- I30.0, Acute nonspecific idiopathic pericarditis
- I30.1, Infective pericarditis
  - Pneumococcal pericarditis
  - Pneumopyopericardium
  - ......
- Use additional code (B95-B97) to identify infectious agent

- I32, Pericarditis in diseases classified elsewhere
  - Code first
    - underlying disease

- I33, Acute and subacute endocarditis
  - Excludes1:
    - acute rheumatic endocarditis (I01.1)
    - endocarditis NOS (I38)

- I33.0, Acute and subacute infective endocarditis
  - Bacterial endocarditis (acute) (subacute)
  - Infective endocarditis (acute) (subacute) NOS
  - ......
- Use additional code (B95-B97) to identify infectious agent
I39, Endocarditis and heart valve disorders in diseases classified elsewhere

- Code first
  - underlying disease, such as:
  - Q fever (A78)
Coding Notes and Instructions: Myocarditis

• I40, Acute myocarditis
  – Includes:
    • subacute myocarditis
  – Excludes1:
    • acute rheumatic myocarditis (I01.2)

• I40.0, Infective myocarditis
  – Septic myocarditis
  – Use additional code (B95-B97) to identify infectious agent
Coding Notes and Instructions: Myocarditis

- I41, Myocarditis in diseases classified elsewhere
  - Code first
  - underlying disease, such as:
    - typhus (A75.0-A75.9)
Coding Notes and Instructions: Cardiomyopathy

- I42, Cardiomyopathy
  - Includes:
    - myocardiopathy
  - Code first
    - pre-existing cardiomyopathy complicating pregnancy and puerperium (O99.4)

- I42.6, Alcoholic cardiomyopathy
  - Code also
    - presence of alcoholism (F10.-)

- I42.7, Cardiomyopathy due to drug and external agent
  - Code first
    - poisoning due to drug or toxin, if applicable (T36-T65 with fifth or sixth character 1-4 or 6)
    - Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)
I43, Cardiomyopathy in diseases classified elsewhere

- Code first
  - underlying disease, such as:
    - amyloidosis (E85.-)
    - glycogen storage disease (E74.0)
    - gout (M10.0-)
    - thyrotoxicosis (E05.0-E05.9-)
Coding Notes and Instructions: Cardiac Arrest

- I46, Cardiac arrest
  - Excludes1:
    - cardiogenic shock (R57.0)
- I46.2, Cardiac arrest due to underlying cardiac condition
  - Code first
    - underlying cardiac condition
- I46.8, Cardiac arrest due to other underlying condition
  - Code first
    - underlying condition
- I46.9, Cardiac arrest, cause unspecified
Coding Notes and Instructions: Tachycardia

• I47, Paroxysmal tachycardia
  – Code first
  • Tachycardia complicating:
    – abortion or ectopic or molar pregnancy (O00-O07, 008.8)
    – obstetric surgery and procedures (O75.4)
Coding Notes and Instructions: Tachycardia

• I49, Other cardiac arrhythmias
  – Code first
    • cardiac arrhythmia complicating:
      • abortion or ectopic or molar pregnancy (O00-O07, O08.8)
      • obstetric surgery and procedures (O75.4)
Coding Notes and Instructions: Heart Failure

• I50, Heart failure
  – Code first
    • heart failure complicating abortion or ectopic or molar pregnancy (O00-O07, 008.8)
    • heart failure due to hypertension (I11.0)
    • heart failure due to hypertension with chronic kidney disease (I13.-)
    • heart failure following surgery (I97.13-)
    • obstetric surgery and procedures (O75.4)
    • rheumatic heart failure (I09.81)
Coding Notes and Instructions: Heart Disorders

• I52, Other heart disorders in diseases classified elsewhere
  – Code first
    • underlying disease, such as:
      – congenital syphilis (A50.5)
      – mucopolysaccharidosis (E76.3)
      – schistosomiasis (B65.0-B65.9)
Coding Notes and Instructions: Cerebrovascular Diseases

- Cerebrovascular diseases (I60-I69)
  - Use additional code to identify presence of:
    - alcohol abuse and dependence (F10.-)
    - exposure to environmental tobacco smoke (Z77.22)
    - history of tobacco use (Z87.891)
    - hypertension (I10-I15)
    - occupational exposure to environmental tobacco smoke (Z57.31)
    - tobacco dependence (F17.-)
    - tobacco use (Z72.0)
Coding Notes and Instructions: Cerebrovascular Diseases

- Cerebrovascular diseases (I60-I69)
  - Use additional code to identify presence of:
    - **alcohol abuse and dependence** (F10.-)
    - exposure to environmental tobacco smoke (Z77.22)
    - history of tobacco use (Z87.891)
    - **hypertension** (I10-I15)
    - occupational exposure to environmental tobacco smoke (Z57.31)
    - tobacco dependence (F17.-)
    - tobacco use (Z72.0)
• I63, Cerebral infarction
  – Includes:
    • occlusion and stenosis of cerebral and precerebral arteries, resulting in cerebral infarction
  – Use additional code, if applicable, to identify status post administration of tPA (rtPA) in a different facility within the last 24 hours prior to admission to current facility (Z92.82)
Coding Notes and Instructions: Cerebrovascular Disorders

- I68, Cerebrovascular disorders in diseases classified elsewhere
  - I68.0, Cerebral amyloid angiopathy
    - Code first
      - underlying amyloidosis (E85.-)
  - I68.2, Cerebral arteritis in other diseases classified elsewhere
    - Code first
      - underlying disease
      - Excludes1:
        - cerebral arteritis (in):
          - listeriosis (A32.89)
          - systemic lupus erythematosus (M32.19)
          - syphilis (A52.04)
          - tuberculosis (A18.89)
  - I68.8, Other cerebrovascular disorders in diseases classified elsewhere
    - Code first
      - underlying disease
      - Excludes1:
        - syphilitic cerebral aneurysm (A52.05)
Coding Notes and Instructions: Sequelae Cerebrovascular Disease

- **I69, Sequelae of cerebrovascular disease**
  - **Note:**
  - Category I69 is to be used to indicate conditions in I60-I67 as the cause of sequelae. The 'sequelae' include conditions specified as such or as residuals which may occur at any time after the onset of the causal condition.

- **I69.06, Other paralytic syndrome following nontraumatic subarachnoid hemorrhage**
  - Use additional code to identify type of paralytic syndrome, such as:
    - locked-in state (G83.5)
    - quadriplegia (G82.5-)

- **I69.09, Other sequelae of nontraumatic subarachnoid hemorrhage**
  - **I69.090, Apraxia following nontraumatic subarachnoid hemorrhage**
  - **I69.091, Dysphagia following nontraumatic subarachnoid hemorrhage**
    - Use additional code to identify the type of dysphagia, if known (R13.1-)
  - **I69.092, Facial weakness following nontraumatic subarachnoid hemorrhage**
    - Facial droop following nontraumatic subarachnoid hemorrhage
  - **I69.093, Ataxia following nontraumatic subarachnoid hemorrhage**
  - **I69.098, Other sequelae following nontraumatic subarachnoid hemorrhage**
    - Alterations of sensation following nontraumatic subarachnoid hemorrhage
    - Disturbance of vision following nontraumatic subarachnoid hemorrhage
    - Use additional code to identify the sequelae
Coding Notes and Instructions: Sequelae Cerebrovascular Disease

- **Note the use additional instructions are the same for categories I69.0, I69.1, I69.2, I69.3, I69.8, and I69.9**
- I69.16, Other paralytic syndrome following nontraumatic intracerebral hemorrhage
  - Use additional code to identify type of paralytic syndrome, such as:
    - locked-in state (G83.5)
    - quadriplegia (G82.5-)
- I69.19, Other sequelae of nontraumatic intracerebral hemorrhage
- I69.190, Apraxia following nontraumatic intracerebral hemorrhage
- I69.191, Dysphagia following nontraumatic intracerebral hemorrhage
  - Use additional code to identify the type of dysphagia, if known (R13.1-)
- I69.192, Facial weakness following nontraumatic intracerebral hemorrhage
  - Facial droop following nontraumatic intracerebral hemorrhage
- I69.193, Ataxia following nontraumatic intracerebral hemorrhage
- I69.198, Other sequelae of nontraumatic intracerebral hemorrhage
  - Alteration of sensations following nontraumatic intracerebral hemorrhage
  - Disturbance of vision following nontraumatic intracerebral hemorrhage
  - Use additional code to identify the sequelae
Coding Notes and Instructions: Atherosclerosis

- I70, Atherosclerosis
  - Includes:
    - arteriolosclerosis
    - arterial degeneration
    - arteriosclerosis
    - ...
  - Use additional code to identify:
    - exposure to environmental tobacco smoke (Z77.22)
    - history of tobacco use (Z87.891)
    - occupational exposure to environmental tobacco smoke (Z57.31)
    - tobacco dependence (F17.-)
    - tobacco use (Z72.0)

I70.2, Atherosclerosis of native arteries of the extremities
  - Mönckeberg's (medial) sclerosis
  - Use additional code, if applicable, to identify chronic total occlusion of artery of extremity (I70.92)
Coding Notes and Instructions: Atherosclerosis

- **Categories I70.3 – I70.7, have similar notations and use additional code notes as below**
- **I70.23, Atherosclerosis of native arteries of right leg with ulceration**
  - Includes:
  - any condition classifiable to I70.211 and I70.221
  - Use additional code to identify severity of ulcer (L97.-)
- **I70.24, Atherosclerosis of native arteries of left leg with ulceration**
  - Includes:
  - any condition classifiable to I70.212 and I70.222
  - Use additional code to identify severity of ulcer (L97.-)
- **I70.25, Atherosclerosis of native arteries of other extremities with ulceration**
  - Includes:
  - any condition classifiable to I70.218 and I70.228
  - Use additional code to identify the severity of the ulcer (L98.49-)
- **I70.26, Atherosclerosis of native arteries of extremities with gangrene**
  - Includes:
  - any condition classifiable to I70.21-, I70.22-, I70.23-, I70.24-, and I70.25-
  - Use additional code to identify the severity of any ulcer (L97.-, L98.49-), if applicable
Coding Notes and Instructions: Occlusion

- I70.92, Chronic total occlusion of artery of the extremities
  - Complete occlusion of artery of the extremities
  - Total occlusion of artery of the extremities
  - Code first
- Atherosclerosis of arteries of the extremities (I70.2-, I70.3-, I70.4-, I70.5-, I70.6-, I70.7-)
Coding Notes and Instructions: Arterial Embolism and Thrombosis

• I74, Arterial embolism and thrombosis
  – Includes:
    • embolic infarction
    • embolic occlusion
    • thrombotic infarction
    • thrombotic occlusion
  – Code first
    • embolism and thrombosis complicating abortion or ectopic or molar pregnancy (O00-O07, O08.2)
    • embolism and thrombosis complicating pregnancy, childbirth and the puerperium (O88.-)
Coding Notes and Instructions: Atheroembolism

- I75.8, Atheroembolism of other sites
- I75.81, Atheroembolism of kidney
  - Use additional code for any associated acute kidney failure and chronic kidney disease (N17.-, N18.-)
- I75.89, Atheroembolism of other site
- I76, Septic arterial embolism
  - Code first
    - underlying infection, such as:
      - infective endocarditis (I33.0)
      - lung abscess (J85.-)
  - Use additional code to identify the site of the embolism (I74.-)
• I79, Disorders of arteries, arterioles and capillaries in diseases classified elsewhere
• I79.0, Aneurysm of aorta in diseases classified elsewhere
  – Code first
    • underlying disease
  – Excludes1:
    • syphilitic aneurysm (A52.01)
• I79.1, Aortitis in diseases classified elsewhere
  – Code first
    • underlying disease
  – Excludes1:
    • syphilitic aortitis (A52.02)
• I79.8, Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere
  – Code first
    • underlying disease, such as:
      • amyloidosis (E85.-)
Coding Notes and Instructions: Phlebitis and Thrombophlebitis

- I80, Phlebitis and thrombophlebitis
  - Includes:
    - endophlebitis
    - inflammation, vein
    - periphlebitis
    - suppurative phlebitis
  - Code first
    - phlebitis and thrombophlebitis complicating abortion, ectopic or molar pregnancy (O00-O07, O08.7)
    - phlebitis and thrombophlebitis complicating pregnancy, childbirth and the puerperium (O22.-, O87.-)
I82, Other venous embolism and thrombosis

• Code first
  • venous embolism and thrombosis complicating:
    • abortion, ectopic or molar pregnancy (O00-O07, O08.7)
    • pregnancy, childbirth and the puerperium (O22.-, O87.-)
Coding Notes and Instructions: Embolism and Thrombosis

• I82.5, Chronic embolism and thrombosis of deep veins of lower extremity
  – Use additional code, if applicable, for associated long-term (current) use of anticoagulants (Z79.01)
• Same notation for:
  – I82.7, Chronic embolism and thrombosis of veins of upper extremity
  – I82.8, Embolism and thrombosis of other specified veins
Coding Notes and Instructions: Varicose Veins

• I83.0, Varicose veins of lower extremities with ulcer
  – Use additional code to identify severity of ulcer (L97.-)

• I83.2, Varicose veins of lower extremities with both ulcer and inflammation
  – Use additional code to identify severity of ulcer (L97.-)
Coding Notes and Instructions: Varices

- I85, Esophageal varices
  - Use additional code to identify:
    - alcohol abuse and dependence (F10.-)
- I85.1, Secondary esophageal varices
  - Esophageal varices secondary to alcoholic liver disease
  - Esophageal varices secondary to cirrhosis of liver
  - Esophageal varices secondary to schistosomiasis
  - Esophageal varices secondary to toxic liver disease
  - Code first
    - underlying disease
Coding Notes and Instructions: Hypotension

• I95.2, Hypotension due to drugs
  – Orthostatic hypotension due to drugs
  – Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)
Coding Notes and Instructions: Postprocedural Failure

- I97.13, Postprocedural heart failure
  - Use additional code to identify the heart failure (I50.-)
- I97.130, Postprocedural heart failure following cardiac surgery
- I97.131, Postprocedural heart failure following other surgery
- I97.19, Other postprocedural cardiac functional disturbances
  - Use additional code, if applicable, to further specify disorder
Coding Notes and Instructions: Complications

- I97.8, Other intraoperative and postprocedural complications and disorders of the circulatory system, not elsewhere classified
  - Use additional code, if applicable, to further specify disorder
Recent issues of the American Hospital Association’s Coding Clinic has addressed some circulatory disorders and procedures. Topics include:

- Sequencing of AMI codes I22 and I21
- Atrial appendage thrombus (I51.3) because the clot is in the heart not the coronary vessels
- AMI specified by site (left anterior descending coronary) but not specified as STEMI or non-STEMI (I21.02)
• Topics include:
  – Decompensated systolic heart failure (acute on chronic)
  – Short QT syndrome (I45.89)
  – Catecholaminergic polymorphic ventricular tachycardia (CPVT) (I47.2)
Recent issues of the American Hospital Association’s Coding Clinic has addressed some circulatory disorders and procedures. Topics include:

- Placement of subcutaneous implantable cardioverter defibrillator (determine devices implanted and replaced)
- Creation of radial artery fistula (Bypass left radial artery to vein)
- Catheter ablation to treat Afib
Coding Guidance: PCS

• Topics include:
  – Heart transplant surgery
  – Transcatheter replacement of heart valves with measurements
In Summary

- Review unusual documentation terms with staff and physicians
- Consider adding facility guidelines for clarification in absence of many years of coding guidance
- Determine points of weakness
- Practice and review ICD-10-PCS related to circulatory procedures
References


Wrap Up

Thank you for attending our webinar!

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