2016 Clinotes for ICD-10-CM

Spring Sale Price $29.95 (Reg. $39.95)

ISBN: 9781933053-59-2

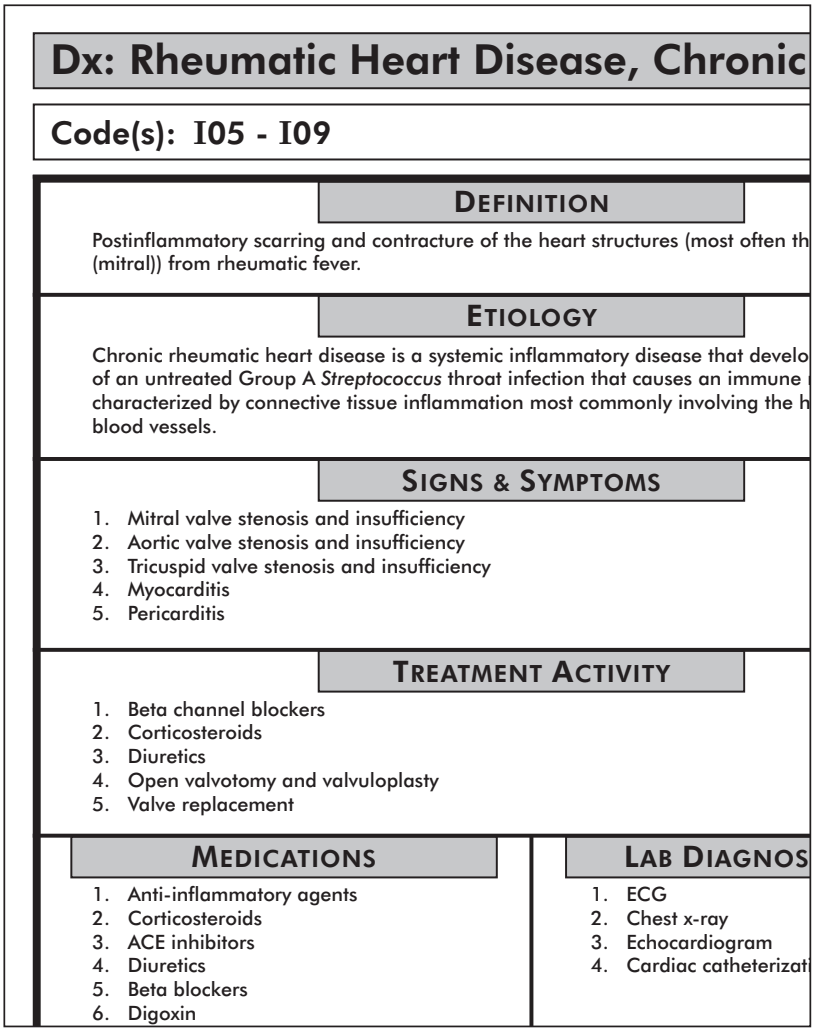
2016 Clinotes

"The Clinical Bridge From Disease to ICD-10-CM Coding"

2016 Edition

Includes:

- Definitions
- Etiology
- Signs & Symptoms
- Treatment Activity
- Medications
- Lab Diagnostic Tests



Dx: Rheumatic Heart Disease, Chronic

Code(s): I05 - I09

DEFINITION

Postinflammatory scarring and contracture of the heart structures (most often th
(mitral)) from rheumatic fever.

ETIOLOGY

Chronic rheumatic heart disease is a systemic inflammatory disease that develo
of an untreated Group A *Streptococcus* throat infection that causes an immune
characterized by connective tissue inflammation most commonly involving the h
blood vessels.

SIGNS & SYMPTOMS

1. Mitral valve stenosis and insufficiency
2. Aortic valve stenosis and insufficiency
3. Tricuspid valve stenosis and insufficiency
4. Myocarditis
5. Pericarditis

TREATMENT ACTIVITY

1. Beta channel blockers
2. Corticosteroids
3. Diuretics
4. Open valvotomy and valvuloplasty
5. Valve replacement

MEDICATIONS

1. Anti-inflammatory agents
2. Corticosteroids
3. ACE inhibitors
4. Diuretics
5. Beta blockers
6. Digoxin

LAB DIAGNOS

1. ECG
2. Chest x-ray
3. Echocardiogram
4. Cardiac catheterizati

WB51016-CL

Dx: Lyme Disease

Code(s): A69.2

Definition

A tick-transmitted, spirochetal, inflammatory disorder best recognized clinically by an early skin lesion and erythema chronicum migrans (ECM) (a redenned, bulls-eye (target) pattern), that may be followed weeks to months later by neurologic, cardiac, or joint abnormalities.

Etiology

Causative organism: *Borrelia burgdorferi* transmitted to humans by ixodid ticks.

Signs & Symptoms

1. Stage 1: Flulike symptoms and typical skin rash (erythema chronicum migrans)
2. Stage 2: Small skin lesions, migratory joint, muscle and tendon pain, fatigue, malaise, myocarditis with arrhythmia and heart block, Bell's palsy, encephalitis or meningitis, peripheral neuropathy, transverse myelitis and mononeuritis multiplex
3. Stage 3: Arthritis, chronic synovitis, encephalopathy, peripheral neuropathy, acrodermatitis chronicum atrophicans (months to years later)

Treatment Activity

1. Antibiotic therapy
2. Crutches, aspiration, or synovectomy for chronic knee effusions

Medications

1. Integumentary manifestations: Doxycyline, tetracyline, amoxicillin, or erythromycin
2. CNS manifestions: Doxycycline, tetracycline, ceftriaxone (IV), penicillin (IV), or amoxicillin
3. Cardiac manifestations: Doxycycline, tetracycline, amoxicillin, ceftriaxone (IV), or penicillin (IV)
4. Arthritis: Doxycycline, tetracycline, or amoxicillin

Lab Diagnostic Tests

1. Antibody detection in serum by indirect immunofluorescence assay (IFA) or ELISA; IgM positive first 2-4 weeks after erythema chronicum migrans onset
2. Rheumatoid and antinuclear factors are present
3. Synovial fluid: 25,000 white cells/µL

Dx: Reye's Syndrome

Code(s): G93.7

Definition

An acute, and sometimes fatal, postviral (usually influenza or varicella) childhood illness characterized by encephalopathy and fatty infiltration of the liver.

Etiology

The pathogenesis is not completely understood; suspected etiologies include:

1. Salicylate toxicity from ingestion of aspirin following viral illness
2. Hyperammonemia
3. Elevated serum free fatty acids

Signs & Symptoms

1. Intractable vomiting, lethargy
2. Hyperventilation, delirium, hyperactive reflexes
3. Progressively deeper levels of coma
4. Elevated arterial ammonia level and free fatty acids, lactic acidosis
5. Children: Hypoglycemia
6. Seizures, flaccidity
7. Failure of liver and brain function due to fatty infiltration
8. Respiratory arrest

Treatment Activity

1. Monitor vital signs for increasing lethargy
2. Monitor fluid intake and output to prevent fluid overload
3. Monitor serum ammonia, blood glucose
4. Maintain seizure precautions
5. Monitor for intracranial pressure (ICP)

Medications

1. Mannitol or furosemide
2. Glycerol
3. Anticonvulsant

Lab Diagnostic Tests

1. Blood: Elevated serum ammonia, fatty acid, and lactate
2. Coagulation studies: Prolonged PT and PTT
3. Serum salicylate level
4. Liver function studies: Elevated SGOT and SGPT
5. Liver biopsy
6. CSF analysis

Dx: Hepatorenal Syndrome

Code(s): K76.7

Definition

The rapid deterioration of kidney function that is associated with acute or chronic liver disease. Hepatorenal syndrome (HRS) is a relatively common complication of cirrhosis and is often fatal. HRS is classified in two types:
Type 1 HRS: Rapidly progressive kidney failure with high mortality rate
Type 2 HRS: Slower onset and progression with diuretic-resistant ascites before developing kidney failure

Etiology

1. Cirrhosis of the liver
2. Fulminant liver failure
3. Portal hypertension

Signs & Symptoms

1. Altered liver function
2. Circulatory abnormalities
3. Kidney failure
4. Jaundice, altered mental status, ascites

Treatment Activity

1. Liver transplant
2. IV albumin
3. Transjugular intrahepatic portosystemic shunt (TIPS)
4. Liver dialysis
5. Peritoneal dialysis

Medications

1. Midodrine
2. Octreotide
3. Vasoconstrictors
4. Dopamine
5. Misoprostol
6. Antibiotics
7. Plasma volume expanders

Lab Diagnostic Tests

1. Decreased glomerular filtration rate
2. Abdominal ultrasound
3. Paracentesis with ascites fluid cultures
4. Serum creatinine level
5. Urine volume and osmolarity
6. CBC with differential
7. Liver function tests
8. Alpha-fetoprotein level
9. Echocardiography

Dx: Necrotizing Fasciitis

Code(s): M72.6

Definition

A soft tissue infection that causes necrosis of fascia and subcutaneous tissue. The groin, abdomen, and extremities are the most common sites of this infection. The original site of infection may be a minor wound, such as a cut or bruise, then the infection very quickly spreads along the layers of tissue that surround muscle. This disease, commonly known as "flesh-eating disease," can destroy human tissue at a rate of 3 centimeters per hour and may end in death.

Etiology

Group A beta-hemolytic *Streptococcus* is the most common bacterial agent found in patients with this condition. Other infecting organisms include: *Staphylococcus aureus, Clostridium perfringens, Vibrio vulnificus.* One classification (there are other ways to classify (e.g., by organisms involved, progression of disease)) is classified into two types:

1. Type 1: Polymicrobial (infection by multiple organisms)
2. Type 2: Monomicrobial (infection by a single organism)

Signs & Symptoms

1. Fever, nausea, vomiting, diarrhea
2. Severe pain and swelling at site of infection
3. Dusky discoloration of skin
4. Rapid heart rate
5. Smooth, tense, shiny skin at area of infection
6. Ulcerations, gas in infected tissues, and gangrene
7. Sepsis and organ failure in severe cases

Treatment Activity

1. Correction of metabolic abnormalities
2. Broad spectrum of IV antibiotics
3. Surgical debridement of all necrotic tissue
4. Hyperbaric oxygen therapy
5. Maggot debridement therapy
6. Amputation of limb

Medications

1. IV antibiotics
2. Aminoglycoside

Lab Diagnostic Tests

1. Blood chemistry: CBC with differential – elevated WBC with a left shift; low serum sodium; increased BUN
2. Routine and anaerobic tissue cultures
3. Imaging (x-ray, CT scan, MRI, ultrasound) to detect air within the tissues

2016 ICD-10 SPRING SALE ORDER FORM

Sale Prices Expire 6/30/16

1. CUSTOMER INFORMATION (Ship books to address below)

❑ Organization or ❑ Individual | ATTN: Name/Title/Dept. | Customer ID # | Order Date

Shipping Address (Street address required for FedEx delivery) | E-Mail Address

City | State | Zip | Telephone | Fax

2. ORDER INFORMATION

	Product — See Web Site for Complete Product Descriptions	Quantity	Regular Price	Spring Sale Price	Total(s)
CODE BOOKS	**2016 ICD-10-CM, The Educational Annotation of ICD-10-CM**			Exp. 6/30/16	
	Annual Version ICD-10-CM (Paperback) (ISBN: 9781933053-**68-4**)		$64.95 ea.	—	
	Spiral Version ICD-10-CM (Spiral coil) (ISBN: 9781933053-**72-1**)		$67.95 ea.	—	
	Spiral Version ICD-10-CM with Tabs (Spiral coil) (ISBN: 9781933053-**74-5**)		$77.95 ea.	—	
	SoftCover Version ICD-10-CM (Vinyl cover, updateable) (ISBN: 9781933053-**70-7**)		$69.95 ea.	—	
	Tab Set for ICD-10-CM (SoftCover only, reusable) (ITEM: TABCM)		$17.95 ea.	—	
	2016 ICD-10-PCS, The Educational Annotation of ICD-10-PCS				
	Annual Version ICD-10-PCS (Paperback) (ISBN: 9781933053-**69-1**)		$54.95 ea.	—	
	Spiral Version ICD-10-PCS (Spiral coil) (ISBN: 9781933053-**73-8**)		$57.95 ea.	—	
	Spiral Version ICD-10-PCS with Tabs (Spiral coil) (ISBN: 9781933053-**75-2**)		$67.95 ea.	—	
	SoftCover Version ICD-10-PCS (Vinyl cover, updateable) (ISBN: 9781933053-**71-4**)		$59.95 ea.	—	
	Tab Set for ICD-10-PCS (SoftCover only, reusable) (ITEM: TABPCS)		$17.95 ea.	—	
TRAINING	(Professional Version – Includes: PowerPoint Slides, Instructor's Manual, DVD set, Workbook & Code Book) (Individual Version – Includes: DVD set, Workbook & Code Book - CM-12 CEUs, PCS-20 CEUs)				
	Professional Version – Learning ICD-10-CM (Step 1) (ITEM: SBCM-P)		~~$599.95~~ ea.	$559.95 ea.	
	Additional Learning ICD-10-CM Workbook & Book Packages (ITEM: GCM15W)		$65.95 ea.	—	
	Professional Version – Learning ICD-10-PCS (Step 1) (ITEM: SBPCS-P)		~~$699.95~~ ea.	$649.95 ea.	
	Additional Learning ICD-10-PCS Workbook & Book Packages (ITEM: GPCS15W)		$55.95 ea.	—	
	Individual Version – Learning ICD-10-CM (Step 1) (12 CEUs) (ITEM: SBCM-I)		~~$299.95~~ ea.	$269.95 ea.	
	Individual Version – Learning ICD-10-PCS (Step 1) (20 CEUs) (ITEM: SBPCS-I)		~~$399.95~~ ea.	$359.95 ea.	
	2015 Mastering ICD-10-CM Exercise Book (Step 2) (ISBN: 9781933053-**64-6**)		$59.95 ea.	—	
	2015 Mastering ICD-10-PCS Exercise Book (Step 2) (ISBN: 9781933053-**66-0**)		$59.95 ea.	—	
	2015 Mastering ICD-10-CM Guidelines Exercise Book (Step 3) (ISBN: 9781933053-**65-3**)		$59.95 ea.	—	
	2015 Mastering ICD-10-PCS Guidelines Exercise Book (Step 3) (ISBN: 9781933053-**67-7**)		$59.95 ea.	—	
	The Last Word on ICD-10 (Step 4) (ISBN: 9781933053-**61-5**)		$69.95 ea.	—	
OTHER	**2016 Clinotes for ICD-10-CM** (ISBN: 9781933053-**59-2**)		~~$39.95~~ ea.	$29.95 ea.	
	2016 Expanded ICD-10-CM Table of Drugs & Chemicals (ISBN: 9781933053-**60-8**)		~~$39.95~~ ea.	$29.95 ea.	
	Acrylic Bookstand ❑ **One-piece** (ITEM: BSOP) ❑ **Two-piece** (ITEM: BSTP)		$34.95 ea.	—	
	CPT® 2016 Standard Edition (ISBN: 9781622022-**08-3**)		$94.95 ea.	—	
	CPT® 2016 Professional Edition (ISBN: 9781622022-**04-5**)		$119.95 ea.	—	

• OUTSIDE CONTINENTAL U.S.: Call for rates and shipping options. U.S. Dollars.
• EXPRESS SHIPPING: Call for delivery options and rates.

3. PAYMENT METHOD

❑ **Purchase Order (Attach copy)** ❑ **Check Enclosed**
❑ **Credit Card: MC, VISA, DISC, AMEX** (Charged date order received)

— — — — — — — — — — — — — — — —

Exp. Date | Sec. Code | Authorized Cardholder Signature

Billing Address (Street number or PO Box and Zip Code) ❑ Same as shipping

Spring Sale Prices Expire 6/30/16

Continental U.S. Shipping & Handling	
Less than $50.	$7
$50-$99	$12
$100-$199	$19
$200-$299.	$29
$300+	$39

Product Subtotal	
Shipping & Handling	
Nevada Res. Only Add Local Sales Tax	
Total Order Amount	

MAKE CHECKS PAYABLE AND MAIL TO:

Channel Publishing, Ltd.
4750 Longley Lane, Suite 110
Reno, NV 89502-5977
1-800-248-2882
(775) 825-0880
Fax (775) 825-5633
E-Mail: info@channelpublishing.com
Web Site: www.channelpublishing.com

THANK YOU FOR YOUR ORDER **SS99016**

WB51016-CL