**Ch. 8 Circulatory System**

**\*\*BEFORE LECTURE Define the following word parts: Word Part quiz will be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |
| --- | --- | --- | --- |
| **Prefixes** | **Combining Forms** | | **Suffixes** |
| De- | Aden(o) | Myocardi(o) | -ole |
|  | Adenoid(o) | Ox(i) | -sclerosis |
|  | Aneurysm(o) | Pericardi(o) | -stenosis |
|  | Angi(o) | Phleb(o) |  |
|  | Aort(o) | Pulmon(o) |  |
|  | Arter(o), ateri(o) | Rhythm(o), rrhythm(o) |  |
|  | Arteriol(o) | Sclera(o) |  |
|  | Ather(o) | Sept(o) |  |
|  | Atri(o) | Sin(o) |  |
|  | Cardi(o) | Splen(o) |  |
|  | Coron(o) | Steth(o), thorac(o) |  |
|  | Embol(o) | Thym(o) |  |
|  | Endocardi(o) | Tonsill(o) |  |
|  | Lymph(o) | Valv(o), valvul(o) |  |
|  | Lymphaden(o) | Vas(o), vascul(o) |  |
|  | Lymphangi(o) | Ven(i), ven(o) |  |
|  | Lymphat(o) | Ventricul(o) |  |
|  | Mediastin(o) | Venul(o) |  |

**\*\*BEFORE LECTURE Define the following Abbreviations: Abbreviation quiz will be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

AI

ASHD

AV, A-V

AVB

BP

CABG

CAD

CHF

CK (CPK)

CPR

CVA

DSA

EMS

HDL

HTN

LA

LDH

LDL

LV

MI

MIDCAB

mm Hg

MVP

OPCAB

PAT

PCI

PDA

PTCA

PVC

RA

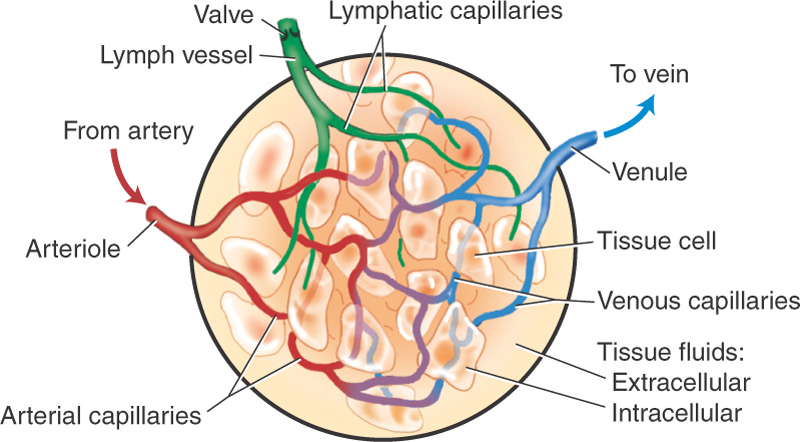
RV

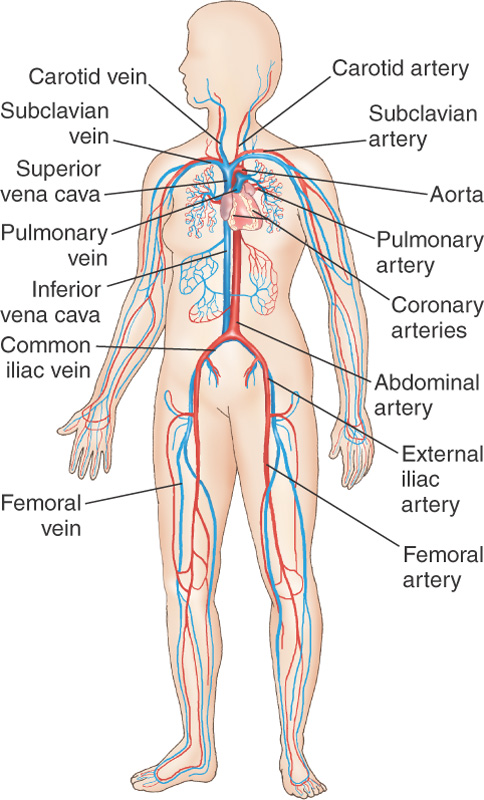
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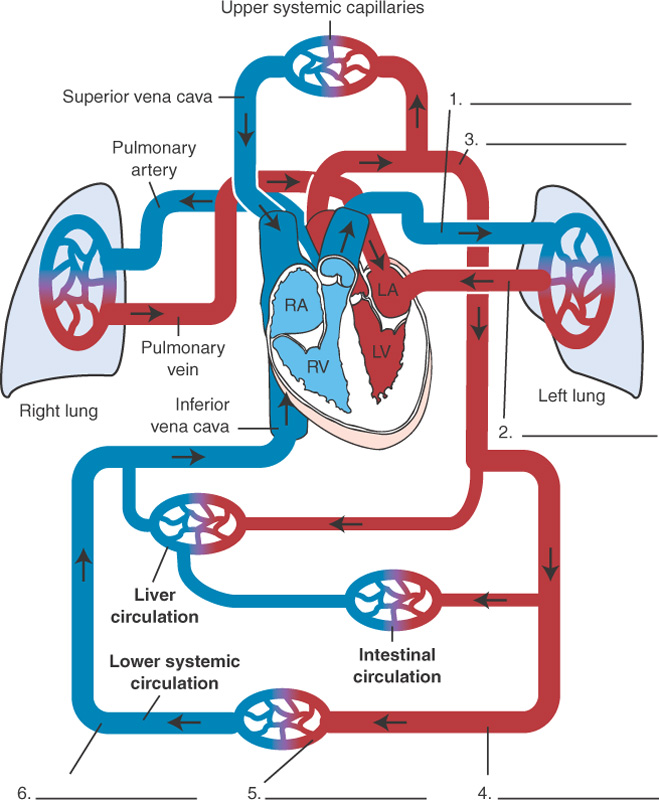
TEE

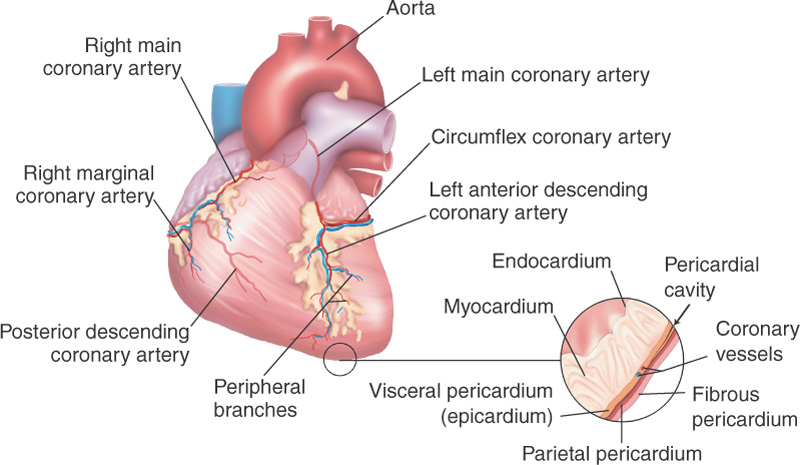
**8.1**

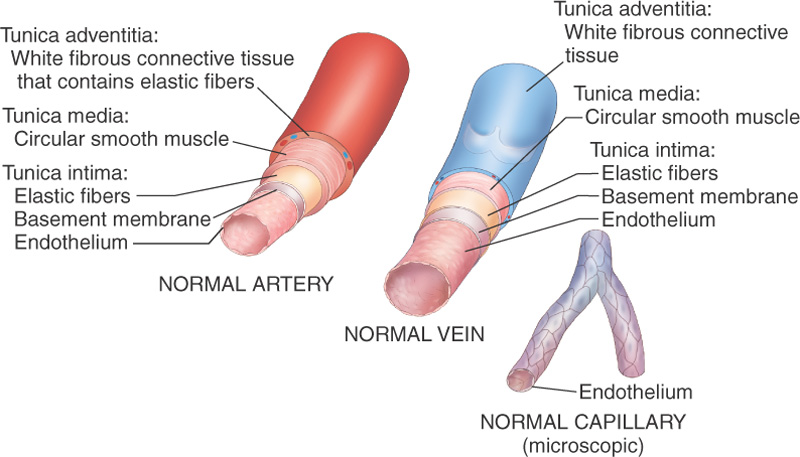
**Functions of the Cardiovascular System**

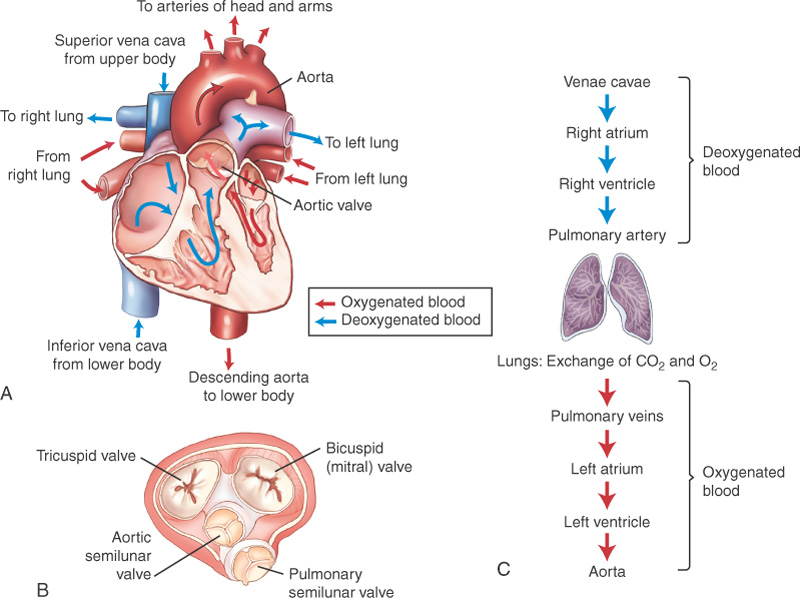
* 

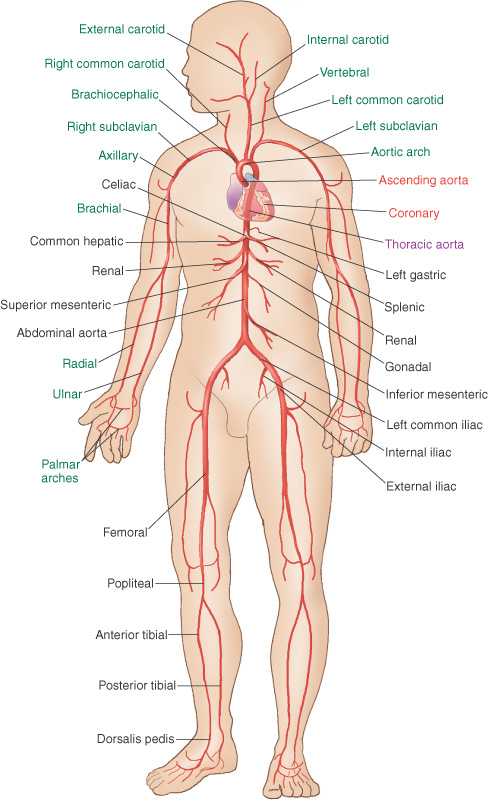


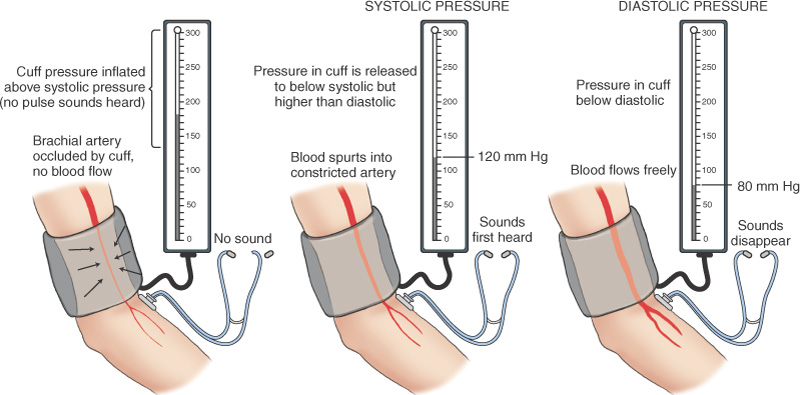


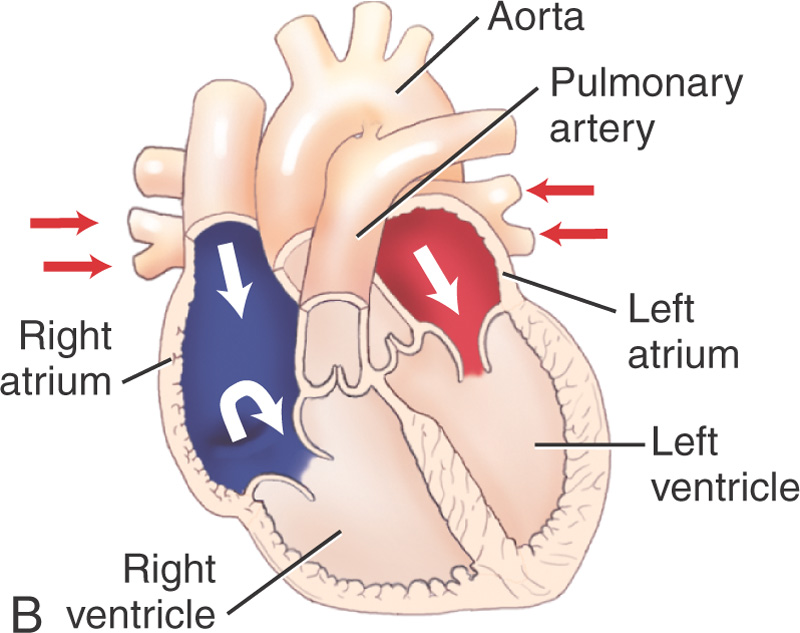
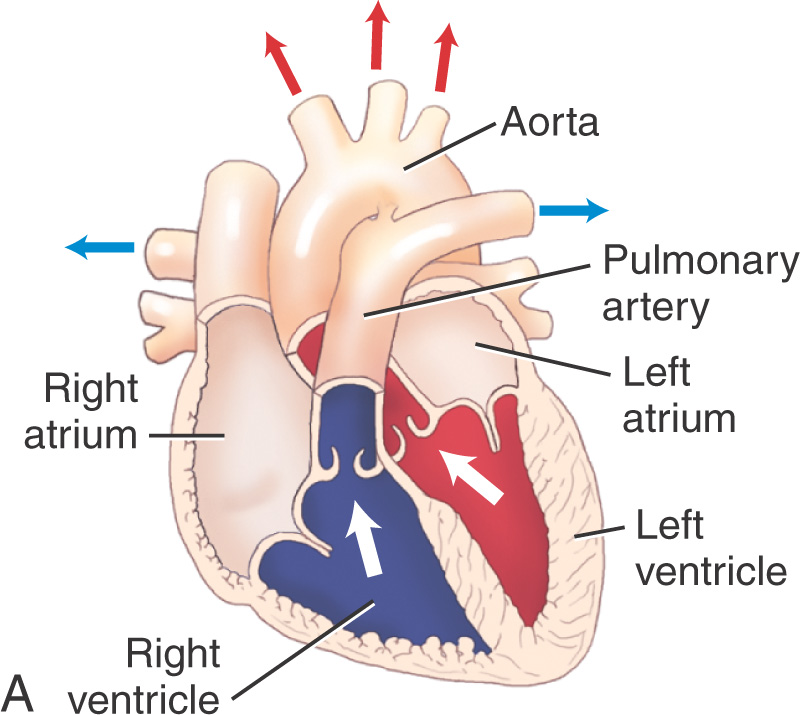




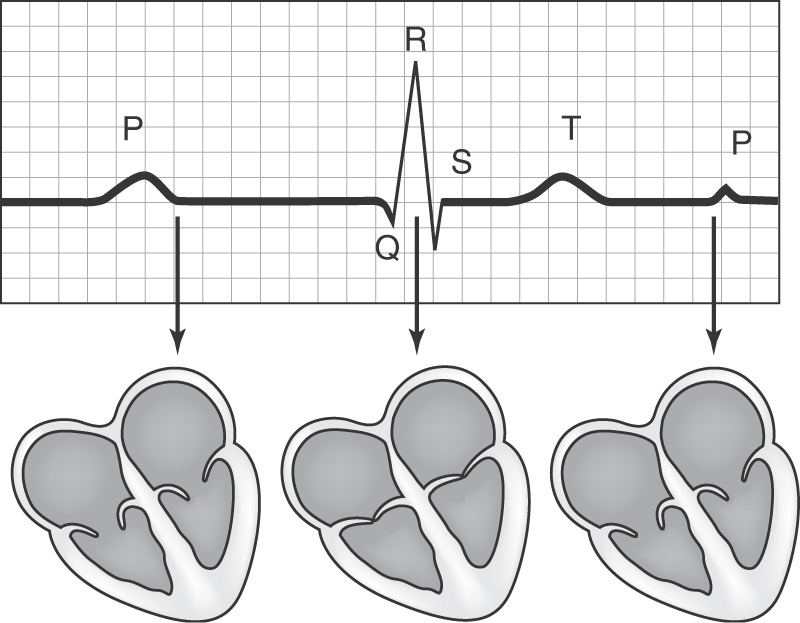


* Heart Rate
* Bradycardia
* Tachycardia
* Blood Pressure
* Systolic
* Diastolic
* Sphygmomanometer

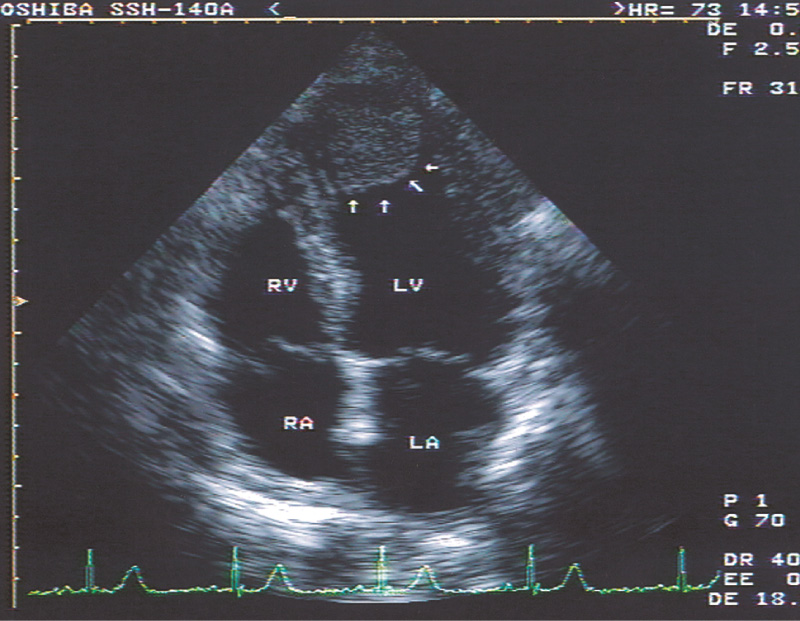
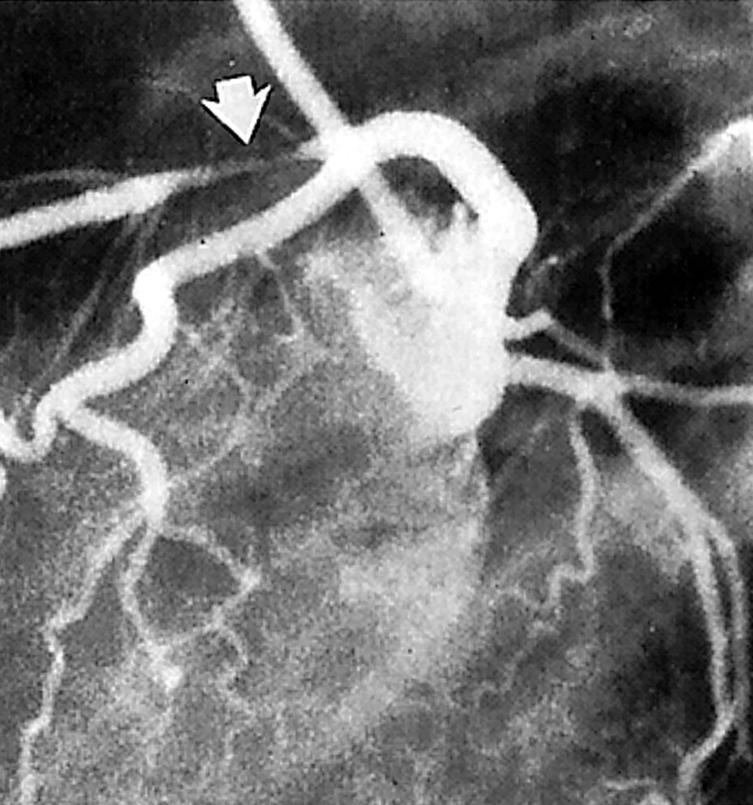


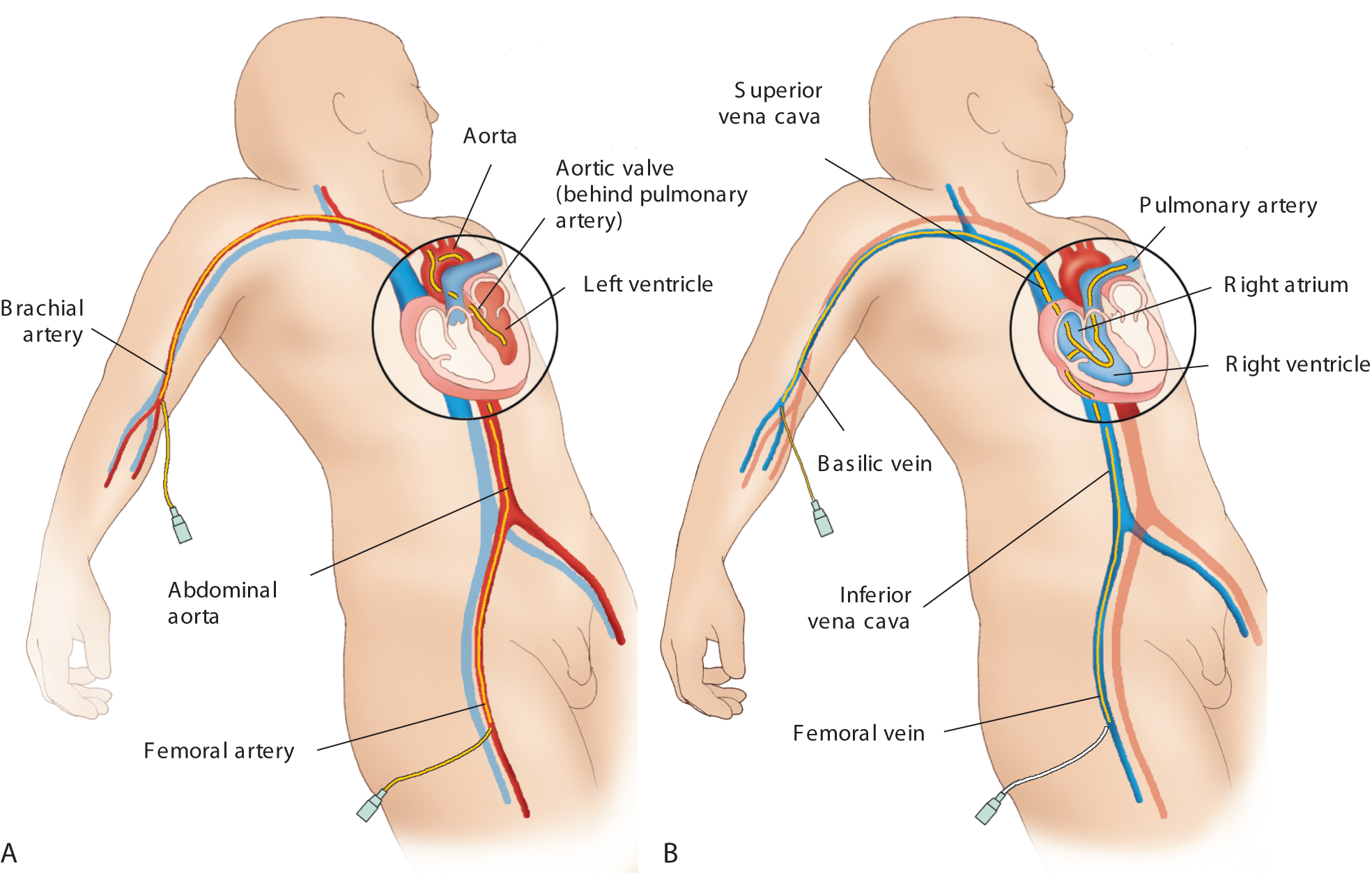
**Laboratory Tests**

* Lipids
* Cholesterol
* Triglycerides
* Lipoproteins
* Enzymes

**Diagnostic Test Terms**

* Electrocardiography
* Electrocardiograph
* electrocardiogram
* Holter monitor
* chest X-ray
* treadmill exercise test
* thallium stress test
* Doppler echocardiography
* Doppler scanning
* cardiac MRI
* computed tomography
* positron emission tomography
* echocardiography
* echocardiogram
* Arteriography
* Arteriograph
* arteriogram
* coronary arteriography
* aortography
* aortogram
* digital subtraction angiography (DSA)
* electrophysiologic studies
* cardiac catheterization
* angiogram, angiography
* angiocardiography

**Heart Pathologies**

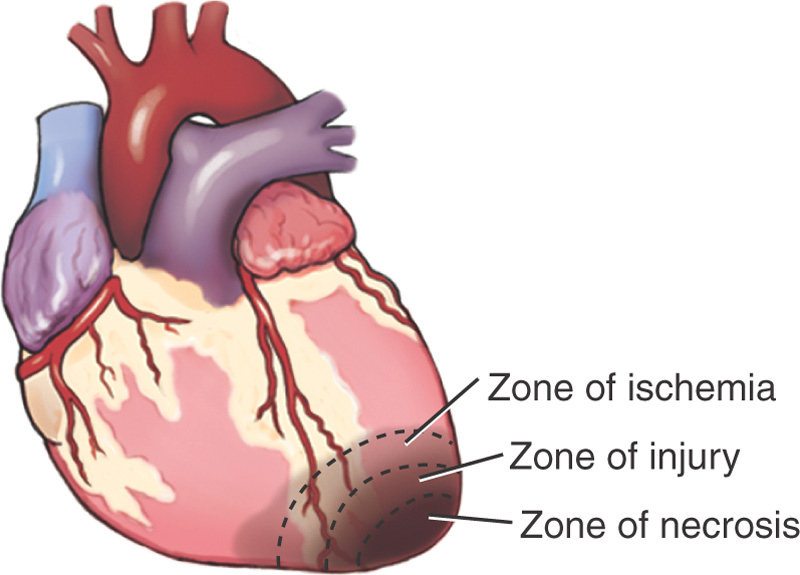


* Atriomegaly
* Cardiomegaly
* microcardia
* congenital heart disease
* congenital heart defects
* heart murmurs
* cyanosis

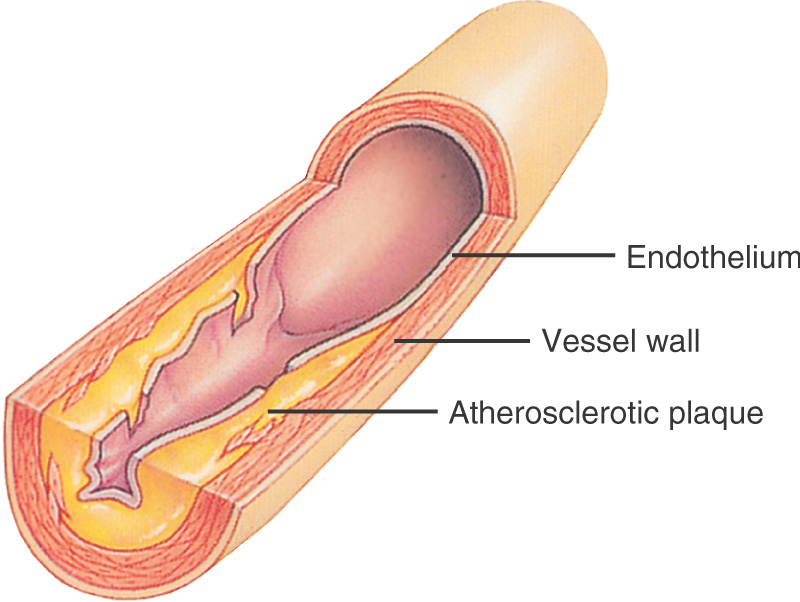
**Congenital Heart Defects**

* ventricular septal defect
* atrial septal defect
* patent ductus arteriosus (PDA)
* coarctation of the aorta
* tetralogy of Fallot

**Arrhythmias**

* dysrhythmia
* heart flutters
* heart palpitations
* ventricular fibrillation
* atrial fibrillation
* Bradycardia
* tachycardia
* premature ventricular contractions (PVC)
* paroxysmal atrial tachycardia (PAT)
* atrioventricular block (AVB)
* heart block
* asystole

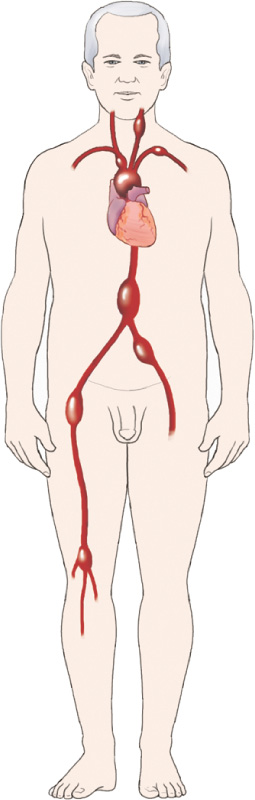
**Heart Pathologies Cont**

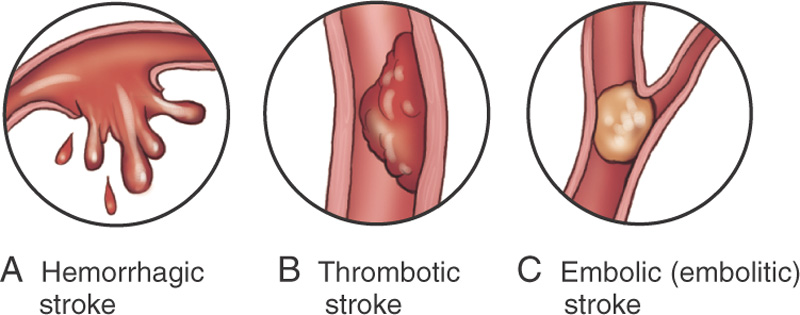
* myocardial infarction (MI)
* anoxia
* infarct
* congestive heart failure (CHF)
* ischemia
* angina pectoris
* cardiac insufficiency
* hemopericardium
* effusion
* cardiac tamponade
* shock
* hypovolemia
* cardiomyopathy
* myocarditis
* endocarditis
* pericarditis

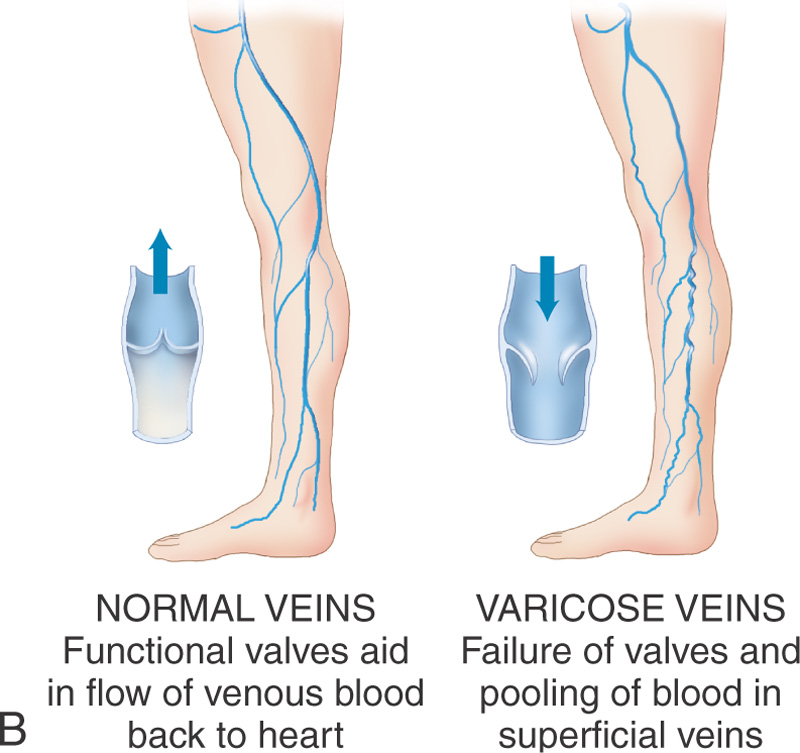
**Valvular Pathologies**

* valvular stenosis
* valvulitis
* cardiovalvulitis
* mitral valve prolapse (MVP)
* rheumatic heart disease

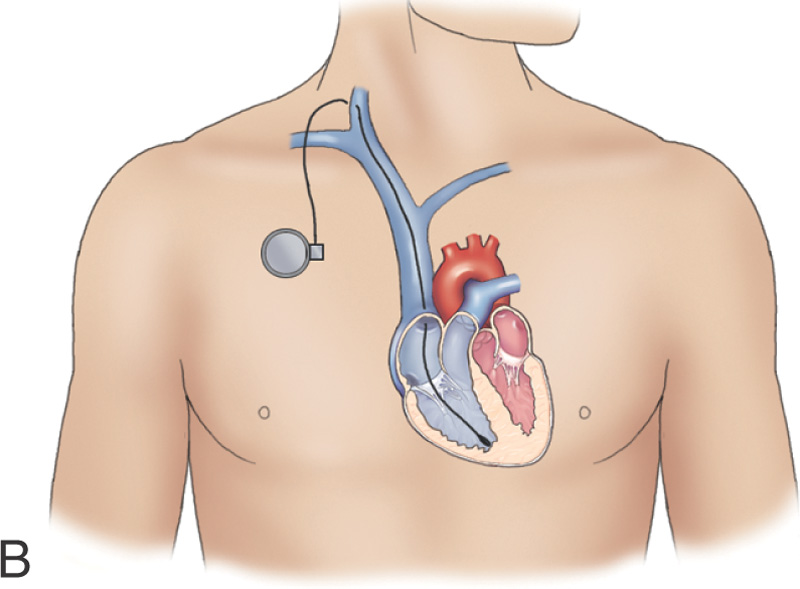
**Blood Vessel Pathologies**

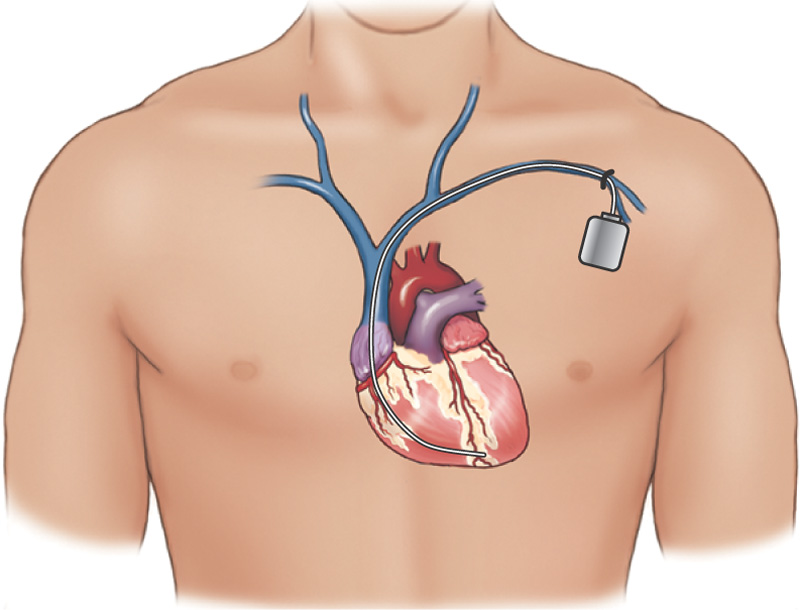
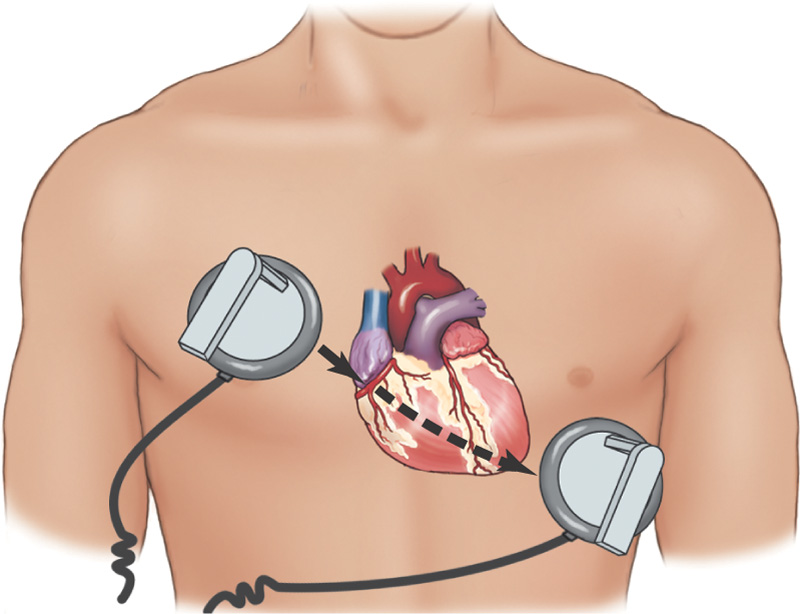
* coronary artery disease (CAD)
* arteriosclerotic heart disease (ASHD)
* atherosclerosis
* lumen
* occlusion
* Sclerosis
* aortosclerosis
* coronary thrombosis
* coronary occlusion
* cerebrovascular accident (CVA)

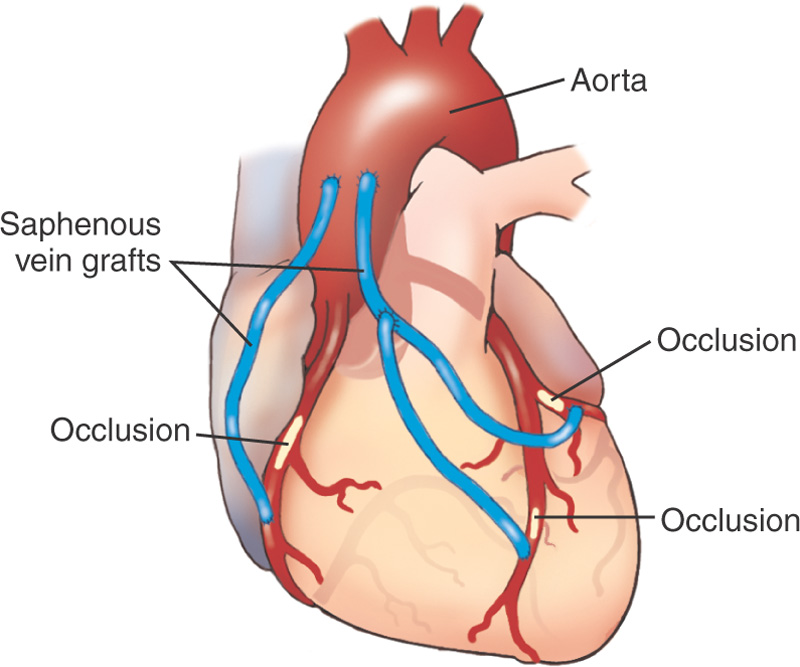


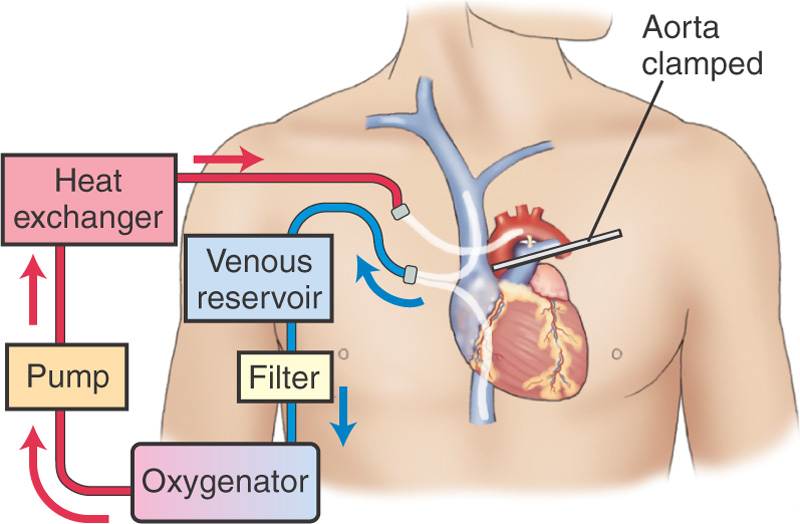
* stenosis
* stricture
* aortic stenosis
* aortic insufficiency (AI)
* aortic regurgitation
* Aortitis
* Angiocarditis
* arteritis
* Angiostenosis
* arteriopathy
* peripheral vascular disease
* embolus
* embolism
* Angioma
* Hemangioma
* lymphangioma
* varicose veins
* hemorrhoids
* Phlebitis
* thrombophlebitis
* venous thrombosis
* phlebostasis

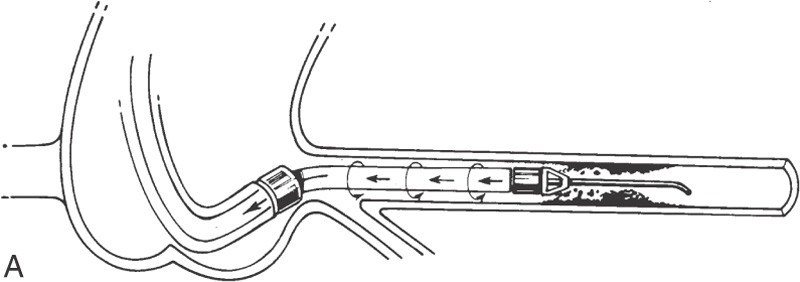
**Surgical and Therapeutic Interventions**

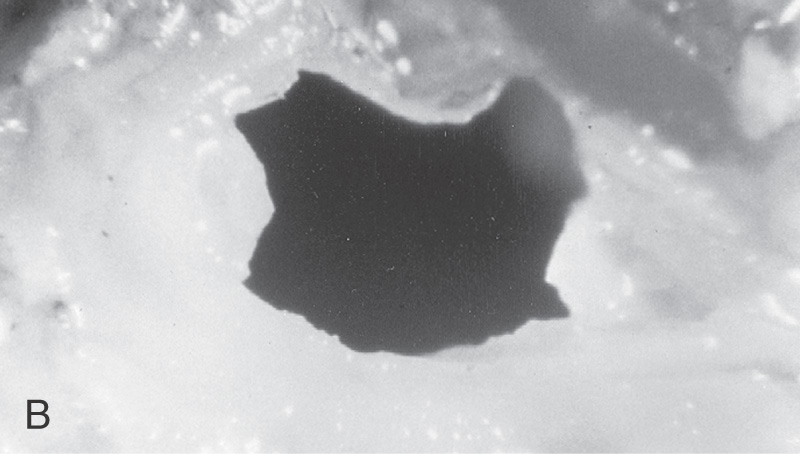
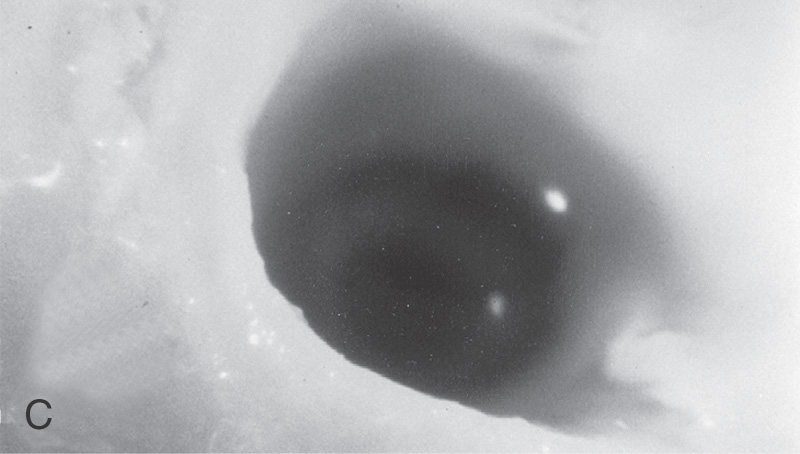
* cardiopulmonary resuscitation (CPR):
* external cardiac massage and respiration
* cardiac pacemaker
* cardioversion
* cardioverter
* Defibrillator
* defibrillation

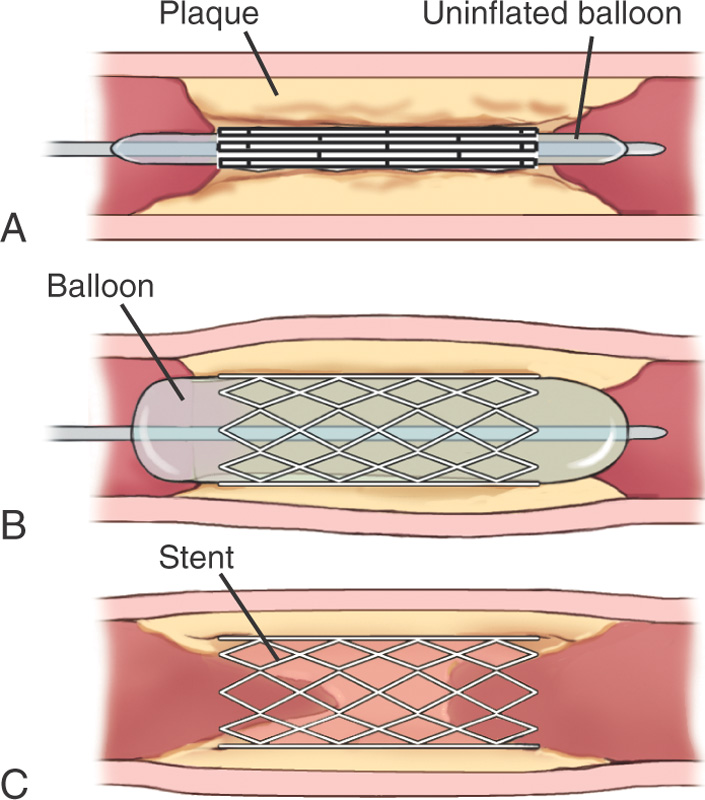


* cardioplegia, cardioplegic solutions
* cardiopulmonary bypass, extracorporeal
* coronary artery bypass, shunt
* coronary artery bypass graft (CABG)

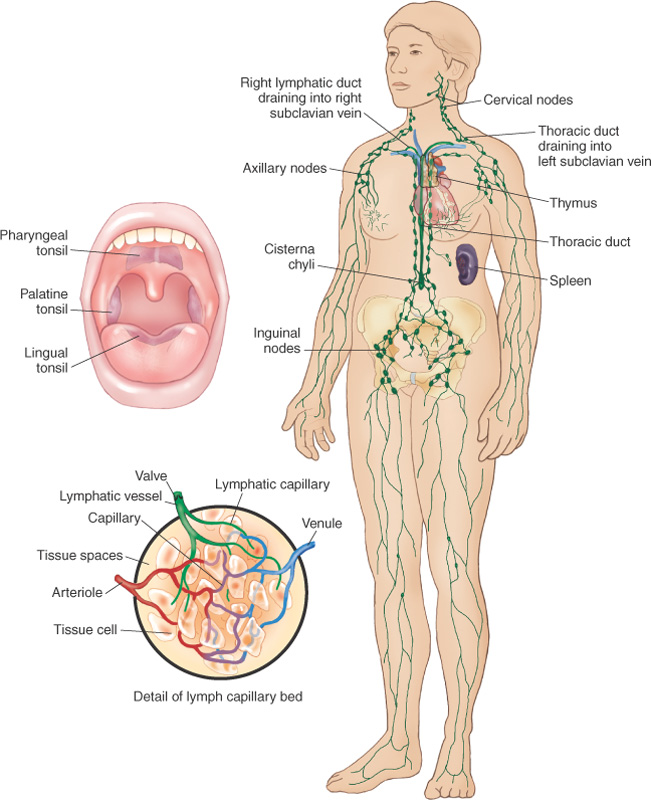


* minimally invasive direct coronary artery bypass (MIDCAB)
* off-pump coronary artery bypass (OP-CAB)
* percutaneous coronary intervention (PCI)
* What is the name of surgical repair of the septum between the atria?
* Endarterectomy
* atherectomy
* laser-assisted angioplasty
* excimer laser coronary angioplasty
* percutaneous transluminal coronary angioplasty (PTCA)
* intracoronary stent
* stents





* intravascular thrombolysis
* sclerotherapy
* angiostomy
* angiotomy
* Phlebectomy
* phleboplasty
* heparin
* embolectomy
* vasodilators
* nitroglycerin
* antiarrhythmic drugs
* calcium channel blockers
* beta blockers
* digoxin
* antihypertensives
* diuretics
* antilipidemics

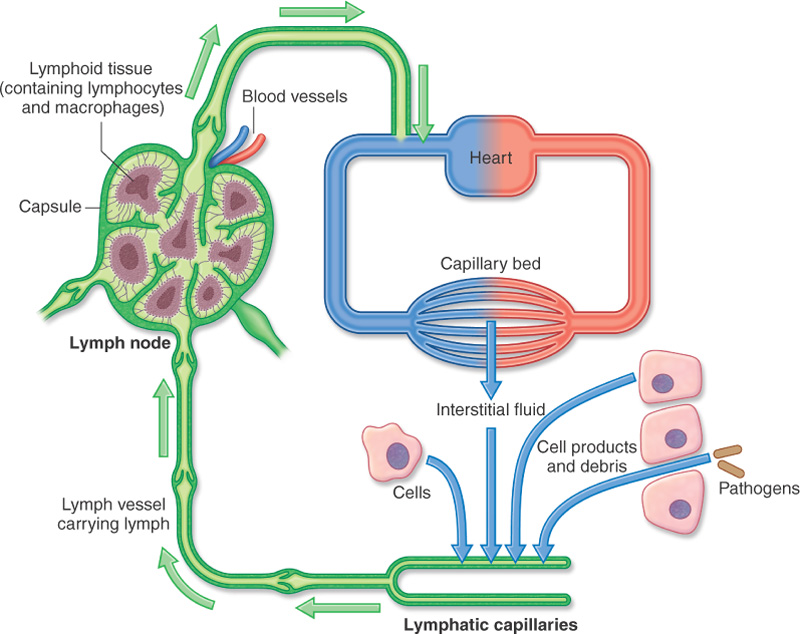
**8.2**

**Functions of the Lymphatic System**



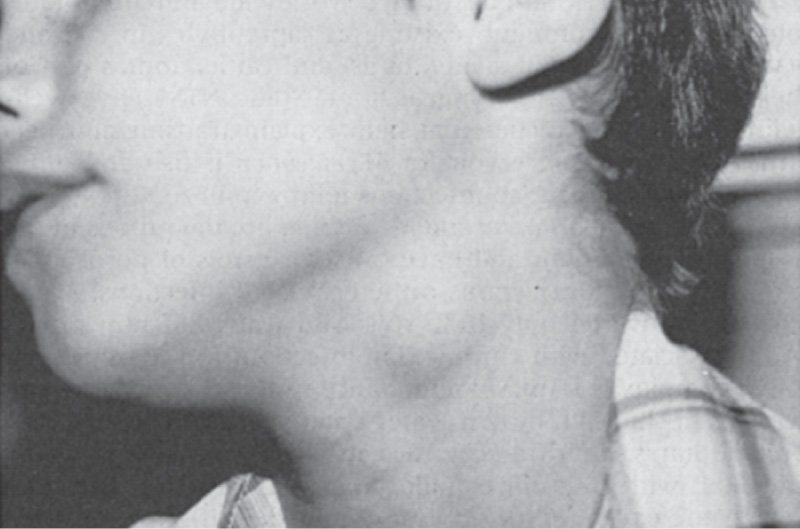
**Lymphatic System Terminology**

* lymphogenous
* thoracic duct
* cisterna chyli
* lymph nodes:
  + cervical,
  + axillary
  + inguinal

**Diagnostic Test and Procedures**

* Lymphography
* lymphogram
* Lymphangiography
* lymphadenography
* lymph node biopsy
* blood tests of B and T lymphocytes

**Pathologies**

* lymphedema
* lymphostasis
* lymphadenitis
*  lymphadenopathy
* lymphoma:
  + Hodgkin’s disease
  + non-Hodgkin’s lymphoma
* lymphatic carcinoma (metastasis)
* thymoma
* thymopathy
* Lymphangitis
* thrombolymphangitis
* Splenopathy
* Splenomegaly
* Splenorrhagia
* splenoptosis
* inflammation of the tonsils? of the adenoids?

**Surgical Interventions**

* lymphadenectomy
* splenectomy
* splenopexy
* splenorrhaphy
* thymectomy
* adenoidectomy
* tonsillectomy
* tonsilloadenectomy

**Therapeutic Interventions**

* antibiotic therapy (including penicillin)
* hot soaks
* chemotherapy
* radiotherapy
* biological therapies

