

Section VII – Cardiovascular and Lymphatic Systems

The heart and blood vessels make up the cardiovascular system that circulates blood throughout the body. The lymphatic system (lymph node, lymph vessels and lymph fluid) is responsible for draining fluid from the tissues and returning it to the blood stream.

<u>Medical Word</u>	<u>Meaning</u>
<u>Combining Forms</u>	
cardi/o	heart
ventricul/o	ventricular
atri/o	atrium
arteri/o	arteries
ven/o, phleb/o	vein
hemat/o, hem/o	blood
angi/o, vas/o	vessel
hemangi/o	blood vessel
aort/o	aorta
thromb/o	blood clot
necr/o	death
lymph/o	lymph
lymphangi/o	lymph vessel
cyt/o	cell
ather/o	plaque, fatty substance
embol/o	embolus
oxy/o, ox/i, ox/o	oxygen
pericardi/o	pericardium
sphygm/o	pulse
<u>Suffixes</u>	
-stenosis	abnormal narrowing
-spasm	twitching, cramping
-penia	decrease
-emia	blood
-rraphy	suture
-pnea	breathing
-megaly	enlargement
-ectasis	dilation, expansion
-centesis	surgical puncture
-tension	pressure
-manometer	instrument to measure pressure
<u>Prefixes</u>	
anti-	against
brady-	slow
peri-	around

endo-	inner
epi-	upon
tachy-	fast
dys-	difficult
micro-	small
macro-	large

Medical Terms

Layers of heart wall

- end/o/cardi/um – inner layer of the heart
- my/o/cardi/um - muscular tissue of the heart (middle layer)
- peri/card/itis – inflammation of the outer heart layer

Heart chambers

- atri/al – pertaining to the atrium
- ventricul/ar – pertaining to the ventricles
- inter/ventricul/ar – pertaining to between the ventricles

Speed

- brady/cardia – slow heart beat
- tachy/cardia – fast heart beat
- brady/pnea – slow breathing
- tachy/pnea – fast breathing

Artery (arter/o)

- arteri/al – pertaining to the artery
- arteri/o/scler/osis – abnormal condition of artery hardening
- arteri/o/pathy – disease of the artery

Vein (ven/o, phleb/o)

- ven/o/scler/osis – abnormal condition of hardening of a vein
- phleb/o/tomy – incision in a vein
- phleb/o/stenosis – narrowing of a vein

Blood (hemat/o, hem/o)

- hemat/ology – study of blood
- hem/o/cyt/o/penia – decreasing blood cells

Vessels (angi/o)

- hem/angi/oma – tumor of blood vessels
- angi/o/graphy - making a record of a vessel
- angi/o/scopy – viewing of a vessel
- angi/o/stenosis – narrowing of a vessel

Aorta (aort/o)

- aort/o/pathy – disease of the aorta
- aort/o/malacia – softening of the aorta

Blood clot (thromb/o)

- thromb/ectomy – removal of a blood clot
- thromb/o/gensis – forming of blood clots

Lymphatic System

lymph/oma – tumor of the lymph nodes

lymph/angi/oma – tumor of the lymph vessels

lymph/o/athy – disease of the lymphatic system

lymph/o/cytes – lymph cells

Abbreviations

AF	atrial fibrillation
ASHD	arteriosclerotic heart disease
BP	blood pressure
CAD	coronary artery disease
CHD	coronary heart disease
CHF	congestive heart failure
HTN	hypertension
HR	heart rate
MI	myocardial infarction
PVD	peripheral vascular disease
ICU	intensive care unit
CCU	cardiac care unit
CPR	cardiopulmonary resuscitation
CV	cardiovascular
EGG, EKG	electrocardiogram
CABG	coronary artery bypass graft

Worksheet – Section VII – Cardiovascular and Lymphatic Systems

Complete the following matching.

- | | | | |
|-----------|---------------------|----|----------------|
| _____ 1. | aorta | A. | brady- |
| _____ 2. | artery | B. | aort/o |
| _____ 3. | atrium | C. | ven/o |
| _____ 4. | blood | D. | -ectasis |
| _____ 5. | blood clot | E. | tachy- |
| _____ 6. | breathing | F. | ventricul/o |
| _____ 7. | death | G. | -pnea |
| _____ 8. | expansion, dilation | H. | tri- |
| _____ 9. | heart | I. | thromb/o |
| _____ 10. | lymph | J. | bi- |
| _____ 11. | rapid | K. | necr/o |
| _____ 12. | slow | L. | atri/o |
| _____ 13. | three | M. | arteri/o |
| _____ 14. | two, double | N. | cardi/o |
| _____ 15. | vein | O. | lymph/o |
| _____ 16. | ventricle | P. | hem/o, hemat/o |

Complete the following matching

- | | | | |
|-----------|------------------|----|---|
| _____ 17. | hemangioma | A. | muscular layer of the heart |
| _____ 18. | tachypnea | B. | rapid breathing |
| _____ 19. | anticoagulants | C. | disease characterized by abnormal hardening of the arteries |
| _____ 20. | myocardium | D. | enlarged heart |
| _____ 21. | tachyphagia | E. | drugs used to prevent blood clotting |
| _____ 22. | cardiomegaly | F. | rapid eating or swallowing |
| _____ 23. | angiectasis | G. | dilation of a lymph or blood vessel |
| _____ 24. | arteriosclerosis | H. | tumor composed of blood vessels |

Write the medical terms.

25. incision of the heart –
26. incision of a vein –
27. surgical repair of an artery –
28. removal of an embolus –
29. disease of the heart muscle –
30. spasm of the artery –
31. pertaining to the artery –
32. a tumor of fatty plaque –
33. rapid heart beat –
34. inflammation of a lymph vessel –
35. study of the lymph system –
36. instrument that measures the pulse –
37. slow heart beat-
38. removal of plaque -

Vocabulary

- 39. blood gas –
- 40. plague –
- 41. ischemia –
- 42. arrhythmia –
- 43. diuretics –
- 44. infarct –
- 45. immunity -
- 46. autoimmune disorder –
- 47. stress test –
- 48. aneurysm –
- 49. cardiac arrest –
- 50. varicose veins -