

Exam 3 Breakdown (muscle, cardio, blood) lab updated

Ch 6: Muscle physiology – 16 questions

2 on motor units

5 on sequence of events in sliding filament action, from ACh release from somatic motor neuron to muscle contraction

1 on isometric vs isotonic contraction

1 on CPK isoforms (CPK BB, CPK MM, CPK MB)

1 on role of ADP vs ATP in sliding filament action

4 on muscle disorders

Muscle spasm, muscle cramp, muscle sprain, muscle strain, dermatomyositis, Duchennes MD, ALS, myasthenia gravis)

2 on muscle

twitch, treppe, summation, and tetanus

Ch 8: Cardiovascular physiology – 22 questions

2 on causes of secondary hypertension (write 1 more)

Conn's, stress, hypervolemia, pheochromocytoma, atherosclerosis, pre-eclampsia

3 on treatments for

- tachycardia & high blood pressure, (
- propranolol, atenolol, Na channel blockers, ACE inhibitors, dobutamine
- bradycardia (MAO-I A, digitalis, dobutamine, epinephrine, atenolol

5 on blood pressure regulation pathways

1 on blood osmolarity regulation

2 on heart sounds (Lub or S1, and Dub or S2)

2 on heart conduction system (SA node, Bundle of HIS, AV node, Purkinje fibers)

3 on things that affect cardiac output

HR, stroke volume, contractility, EDV, TPR

1 on septal defects of heart

(patent foramen ovale, ventricular septal defect, patent ductus arteriosus)

4 on heart disease vocabulary

Arteriosclerosis, aneurysm, embolism, thrombus, atherosclerosis, angiogram, angioplasty,

1 on disorders of ADH (Diabetes insipidus), Aldosterone (Addison's and Conn's),

Ch 7: Blood physiology – 12 questions

5 on blood typing (including what makes a blood type, how to do blood typing, and what can someone receive as transfusion).

A, B, AB, O, Rh-, Rh+

3 on anemias (iron-deficiency, pernicious, renal, aplastic, autoimmune hemolytic)

4 on WBCs and disorders (leukocytosis, leukemia, leukopenia)

(neutrophils, lymphocytes, monocytes, eosinophils, basophils)