

Study Guide for Skin, Bone, and Muscle - Exam 3

1st Lecture

Covering and Lining Membranes p. 141 / 138

The Skin

Epidermal cell types

Skin Coloration

Skin Cancers

ABCDE Rule for malignant melanoma

Decubitus Ulcers (bed sores) OYO

Cold Sores (fever blisters) OYO

Types of Muscle Tissue

Review Exam #2 – (15 min)

2nd Lecture

Physiology of Skeletal Muscle Fibers p. 288-297 / 284-293

Practical Applications, "What if...?"

3rd Lecture

Muscle Metabolism: Energy for Contraction p. 300-304 / 296-300

ATP

CP

Aerobic Respiration

Anaerobic Respiration

What you use for fuel and when

4th Lecture

Muscle Fatigue

Fate of Lactic Acid

Oxygen Debt

Skeletal Muscle Cramps

Chemical Composition of Bone p. 182-184 / 180

Bone remodeling p. 187-190 / 185-188

Bone Resorption by Osteoclasts

Bone Deposit by Osteoblasts

5th Lecture

Control of Remodeling

Calcium... who needs it???

Hormonal Controls

Response to Mechanical Stress

Osteoporosis

EXAM #3