

School of Medical Sciences - Anatomy

ANAT2241 Histology - Basic and Systematic Covering and Lining Epithelia

COMMONWEALTH OF AUSTRALIA

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Covering and Lining Epithelia

Lecture Objectives

- 1. Understand the function of epithelia
- 2. Understand the concept of covering and lining epithelia
- 3. Understand the classification of epithelia
- 4. Understand epithelial specialisations
- Understand basement membrane and adhesion junctions

Resources

- · Wheater's Functional Histology
 - II Basic Tissue Types 5 Epithelial tissues pp82
- · Practical Support Page
 - http://tiny.cc/ANAT2241_Epithelia



GENERALISED SECTION OF THE BODY

ANAT 2241 (2018) – slide :

Epithelia Function

- · Barrier, protection
- Secretion
- Absorption
- Transport
- · Sensory

ANAT 2241 (2018) – slide 3

- Development
 - · epithelium and mesenchyma

Resources

- · Wheater's Functional Histology
- II Basic Tissue Types 5 Epithelial tissues pp82

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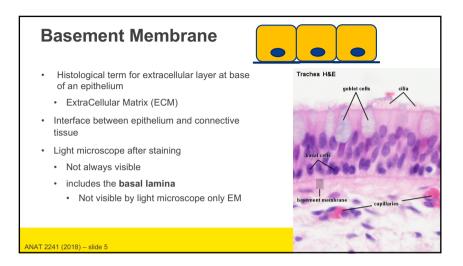
Location of Epithelia

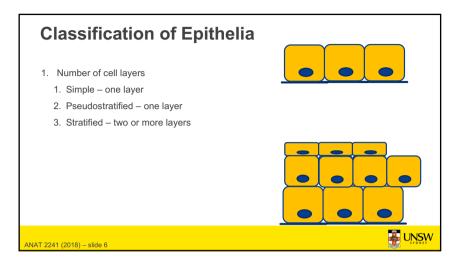
- · Covers all free surfaces of the body
- one side therefore free, and the other rests on basement membrane
- · Lines the large internal body cavities
 - Mesothelium
- Internal surfaces of blood and lymph vessels
 - Endothelium

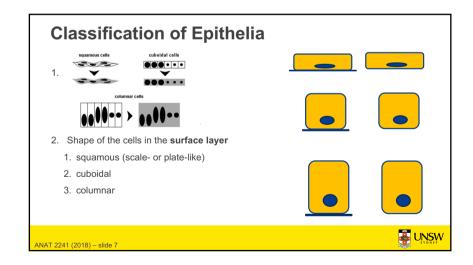
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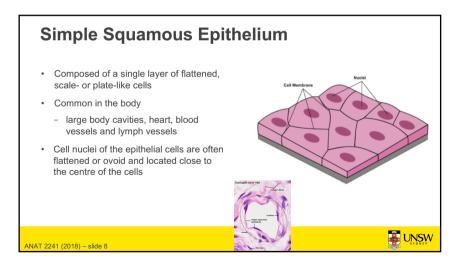
ANAT 2241 (2018) – slide 4

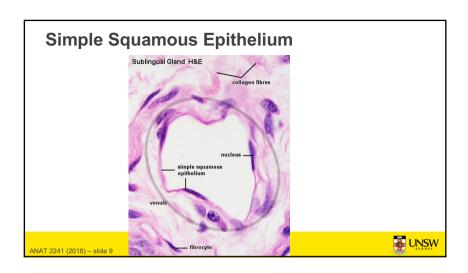
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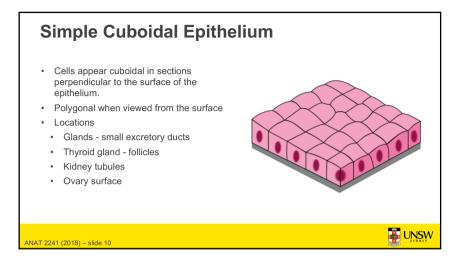


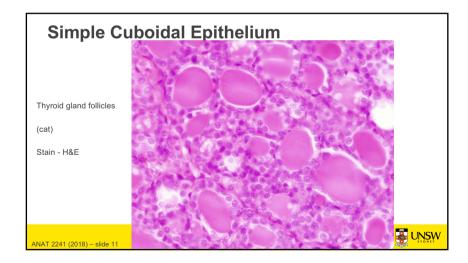


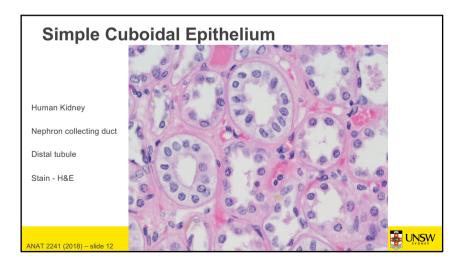


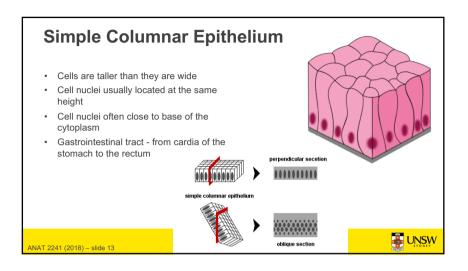




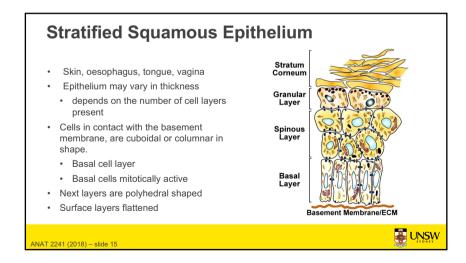


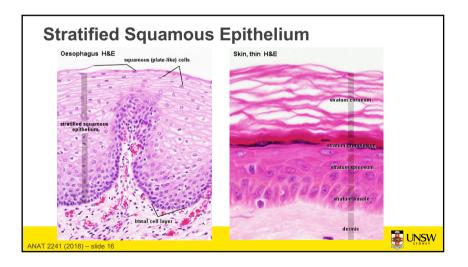


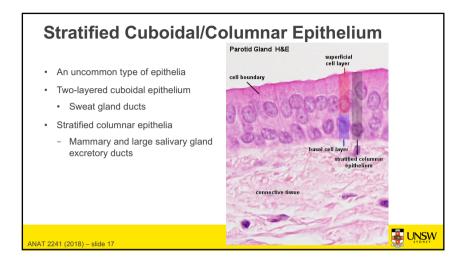


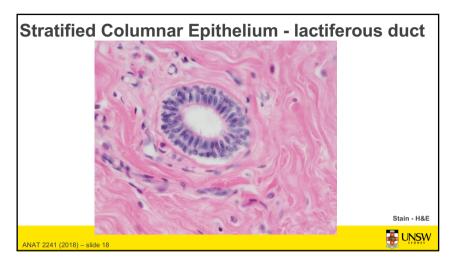


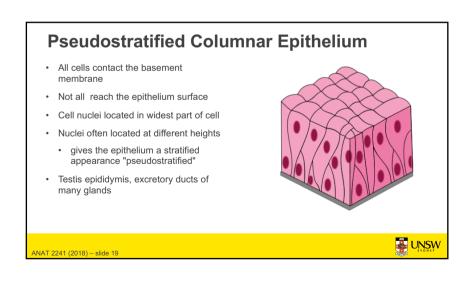


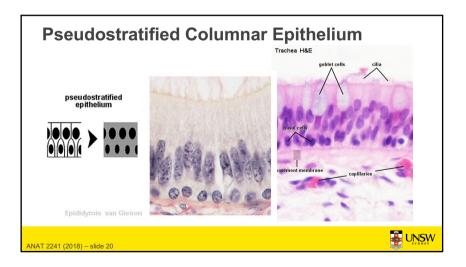


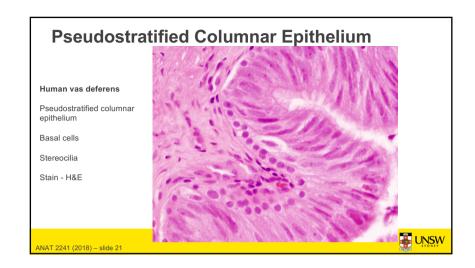


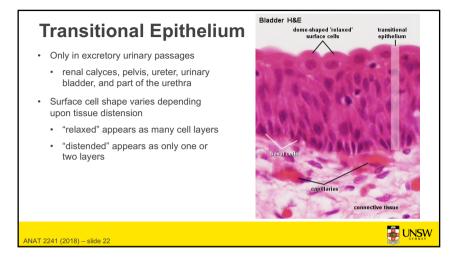


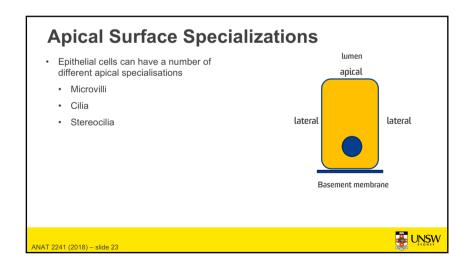


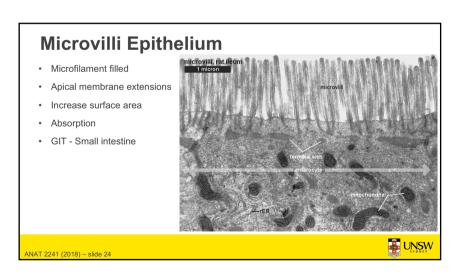


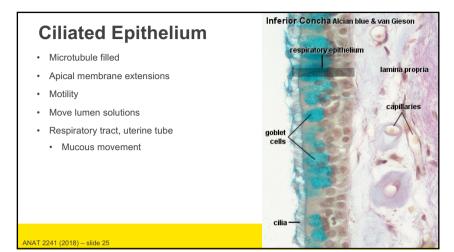


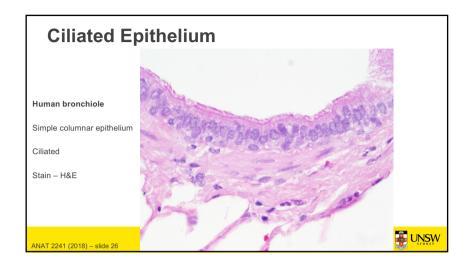


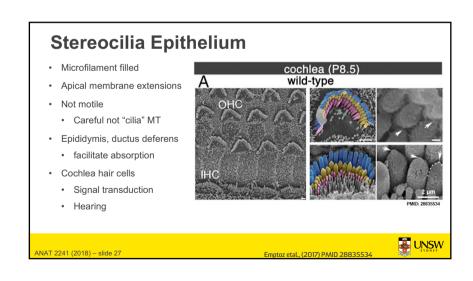


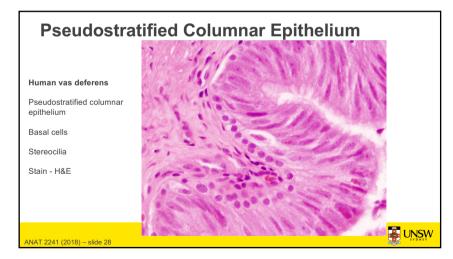


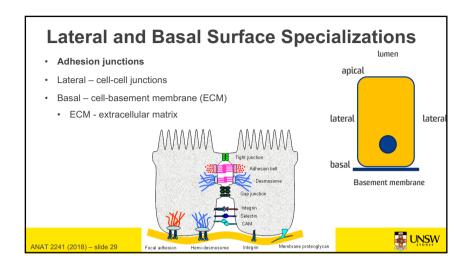


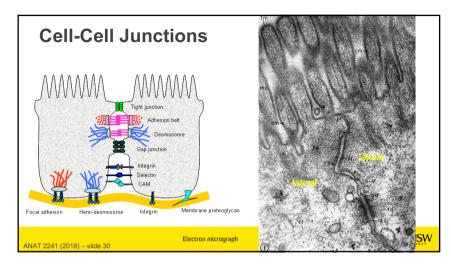


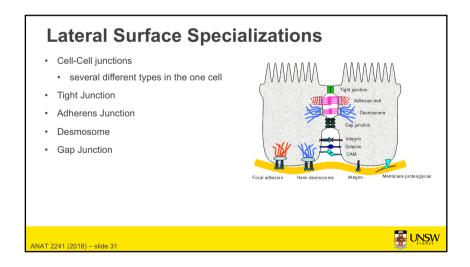


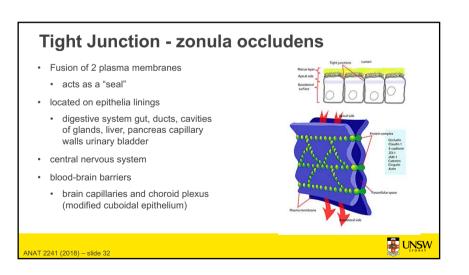












Adherens junctions - zonula adherens • plasma membrane proteins linked to microfilaments (MF) • anchor plaque occurs under membrane • heart muscle, layers covering body organs, digestive tract

