Unit 23: Topographic anatomy: Upper limb regions 1: pectoral & scapular regions, axilla

Guide for the practical class using Anatomedia online

Topography pectoral, scapular and axillary regions

1. Go to An@tomedia, **upper limb** module-regions-frames: **01 and 05** (Surface margins of upper limb, Regions of upper limb)
    -Activate 'can you identify' to demarcate the upper limb (from the neck, thorax and back) and distinguish anterior and posterior regions

2. Go to An@tomedia, **upper limb** module-regions-frame: **04** (Aperture to upper limb)
    -Activate 'can you identify' to identify boundaries of the axilla apex and paths of major nerves and vessels into the axilla

3. Go to An@tomedia, **upper limb** module-regions-frame: **08** (Pectoral regions & breast)
    -Turn on the 'lm' button to displays position of the pectoral region in the body
    -Click on underlined text to review anatomical characteristics of the breast (compartments, spaces, neurovascular supply, clinical importance…) and pectoral region
    -Activate 'can you identify' to see components of the breast anatomy, muscles of pectoral region, borders of deltopectoral region and visible content of the axilla

4. Go to An@tomedia, **upper limb** module-regions-frame: **09 and 10** (Axilla wall & base, Axilla apex)
    -Click on underlined text to review walls of axilla and structures traversing the apex of axilla
    -Activate 'can you identify' to see components axillary walls and structures traversing axillary apex

5. Go to An@tomedia, **upper limb** module-regions-frame: **11 and 12** (Vessels & nerves of axilla, Posterior apertures of axilla)
    -Click on underlined text to review arteries, veins, lymph vessels and nodes and nerves of axilla and apertures in the posterior wall
    -Activate 'can you identify' to see branches of axillary artery, tributaries to the axillary vein and cords/branches of brachial plexus. On frame 12 activate 'can you identify' to see apertures of the axilla and their contents

Upper limb muscles from thorax & spine and scapular muscles

6. Go to An@tomedia, **upper limb** module-systems-frames: **19, 20 and 21** (UL muscles from thorax, spine and scapular muscles)

    -Click on <u>underlined text</u> to identify names, positions, attachments, function and supply of individual muscles presented on these frames

    -Activate 'can you identify' to see positions and attachments of these muscles

Nerves and blood vessels of the axilla

7. Go to An@tomedia, **upper limb** module-systems-frame: **42** (Brachial plexus)

    -Click on <u>underlined text</u> to review branches of the brachial plexus (supraclavicular branches, those arising directly from the cords, terminal branches), variations in its anatomy and its clinical importance

    -Activate 'can you identify' to visualize divisions, cords and branches of brachial plexus

8. Go to A@tomedia, **upper limb** module-systems-frame: **48** (Axillary & brachial arteries)

    -Click on <u>underlined text</u> to review branches of the axillary artery, their variations and anastomoses

    -Activate 'can you identify' to visualize the above arterial branches

9. Go to An@tomedia, **upper limb** module-systems-frame: **50** (Veins of upper limb)

    -Click on <u>underlined text</u> to review origins of major superficial and deep veins of the upper limb and the 'final common venous path'

    -Activate 'can you identify' to visualize the above veins and their tributaries

10. Go to An@tomedia, **upper limb** module-systems-frame: **51** (Lymph vessels & nodes of upper limb)

    -Click on <u>underlined text</u> to review anatomical and clinical classification of peripheral lymph nodes of the upper limb and axillary nodes together with their drainage territories

    -Activate 'can you identify' to visualize the above lymph nodes and lymph vessels

Dissection

11. Go to An@tomedia, **upper limb** module-dissection-frames: **01 to 04** (Pectoral regions and axilla, superficial layers: LAYER-BY-LAYER DISSECTION)

    -Turn on the colored buttons to highlight different dissected structures, from surface to deep

-Activate 'can you identify' to see dissected structures

12. Go to An@tomedia, **upper limb** module-dissection-frames: **05 to 07** (Pectoral regions and axilla, deep layers: LAYER-BY-LAYER DISSECTION)

-Turn on the colored buttons to highlight different dissected structures, from surface to deep

-Activate 'can you identify' to see dissected structures

13. Go to An@tomedia, **upper limb** module-dissection-frames: **08 to 10** (Pectoral regions and axilla, axillary vessels and brachial plexus: LAYER-BY-LAYER DISSECTION)

-Turn on the colored buttons to highlight different dissected structures

-Activate 'can you identify' to see dissected structures