**SUPPLEMENTAL DIGITAL CONTENT**

**Supplemental Table 2. Frequency (percentage) of curriculum content for the 35 MSKUS+ physiatry residency programs.** Program directors were asked to respond either “Yes” or “No” as to whether their program included each of the curriculum components listed. “Uncertain” or missing responses were counted as topics NOT included in a program’s formal curriculum**.**

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| --- | --- | --- |
| **Knobology – Operating the Ultrasound Machine**  | **Yes** | **No** |
| * Adjusting Depth
 | 30 (86) | 5 (14) |
| * Adjusting Focus
 | 30 (86) | 5 (14) |
| * Adjusting Gain
 | 29 (83) | 6 (17) |
| * Entering Patient Info
 | 28 (80) | 7 (20) |
| * Saving an image
 | 28 (80) | 7 (20) |
| * Using Doppler
 | 27 (77) | 8 (23) |
| * Inserting labels on an image
 | 26 (74) | 9 (26) |
| * Measuring area
 | 26 (74) | 9 (26) |
| * Measuring diameter
 | 26 (74) | 9 (26) |
| * Measuring a linear structure
 | 22 (63) | 13 (37) |
| **Protocols** | **Yes** | **No** |
| * Explaining probe selection
 | 29 (83) | 6 (17) |
| * Injection technique
 | 31 (89) | 4 (11) |
| * Obtaining orthological views
 | 14 (40) | 21 (60) |
| **Ultrasound Physics** | **Yes** | **No** |
| * Frequency / resolution
 | 25 (71) | 10 (29) |
| * Ultrasound wave formation
 | 21 (60) | 14 (40) |
| * Tissue characteristics
 | 33 (94) | 2 (6) |
| **Using Ultrasound for Musculoskeletal Evaluation** | **Yes** | **No** |
| * shoulder joint
 | 33 (94) | 2 (6) |
| * elbow joint
 | 31 (89) | 4 (11) |
| * knee joint
 | 31 (89) | 4 (11) |
| * wrist joint
 | 30 (86) | 5 (14) |
| * hip joint
 | 29 (83) | 6 (17) |
| * ankle joint
 | 29 (83) | 6 (17) |
| * Other joints mentioned included: spine; residual limbs for neuroma, foreign bodies, mass; feet for plantar fascia; fingers for MCP; SIJ; Pirformis; Greater Trochanter
 |
| **Using Ultrasound for Peripheral Nerve Evaluation** | **Yes** | **No** |
| * Median nerve
 | 32 (91) | 3 (9) |
| * Ulnar nerve
 | 28 (80) | 7 (20) |
| * Fibular nerve
 | 24 (69) | 11 (31) |
| * Radial nerve
 | 23 (66) | 12 (34) |
| * Tibial nerve
 | 23 (66) | 12 (34) |
| * Sciatic nerve
 | 21 (60) | 14 (40) |
| * Musculocutaneous nerve
 | 12 (34) | 23 (66) |
| * Axillary nerve
 | 7 (20) | 28 (80) |
| * Brachial plexus
 | 6 (17) | 29 (83) |
| * Phrenic nerve
 | 5 (14) | 30 (86) |
| * Pudendal nerve
 | 0 (0) | 35 (100) |
| * Other nerves mentioned included: Neuromas, Greater Occipital Nerve, Ilioinguinal, Lateral Femoral Cutaneous, Suprascapular
 |
| **Ultrasound-Guided Procedures** | **Yes** | **No** |
| * Joint injection/aspiration
 | 31 (89) | 4 (11) |
| * Perineural injection
 | 19 (54) | 16 (46) |
| * Other guided procedures mentioned included: tendon sheath injection, bursa injection, soft tissue injections, (tenex/Tx-1 procedure), Phenol injection (which you might consider perineural)
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