<JLO 20193; supplementary material>

**Figure 1.** Pre-teaching questionnaire answered by participants

**Pre- teaching questionnaire**

1. Which methods are you aware of for clearance of wax/debris from the ear?
   1. Ear syringing
   2. Suction clearance using microscope
   3. Suction clearance using surgical loupes
   4. Suction clearance using smartphone video otoscope
2. Which methods are you aware of for examining ears?
   1. Otoscopy
   2. Microscopy
   3. Surgical loupes
   4. Smart phone videography
3. How confident are you using an otoscope for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you using a microscope for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you using surgical loupes for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you using a smartphone video otoscope for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you in identifying a normal tympanic membrane?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. Have you previously used an otoscope for medical purposes?
   1. Yes
   2. No
2. Have you previously used a microscope for medical purposes?
   1. Yes
   2. No
3. Have you previously used surgical loupes for medical purposes?
   1. Yes
   2. No
4. Have you previously used a smartphone video camera for medical purposes?
   1. Yes
   2. No
5. Have you previously used a microscope for non-medical purposes?
   1. Yes
   2. No
6. Have you previously used surgical loupes for non-medical purposes?
   1. Yes
   2. No
7. Have you previously used a smartphone video camera for non-medical purposes?
   1. Yes
   2. No
8. How many hours a day do you use your smartphone?

**Figure 2.** Post-teaching questionnaire answered by participants

**Post teaching questionnaire**

1. How confident are you using a microscope for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you using surgical loupes for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you using a smartphone video otoscope for ear examination?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. How confident are you in identifying a normal tympanic membrane?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |

Least confident Completely confident

1. Which method did you find most comfortable to use?
   1. Microscope
   2. Surgical loupes
   3. Smartphone video otoscope
2. Which method did you prefer to microsuction the ear?
   1. Microscope
   2. Surgical loupes
   3. Smartphone video otoscope
3. Which method was best to demonstrate/teach ear anatomy/pathology?
   1. Microscope
   2. Surgical loupes
   3. Smartphone video otoscope
4. Which method was best to demonstrate/teach ear was suction clearance?
   1. Microscope
   2. Surgical loupes
   3. Smartphone video otoscope