

# Foot switch evaluation sheet

This questionnaire evaluated the usefulness of a new foot switch for comport digestive endoscopic activity.

## Previous endoscopic examination experience

- ? Total number of prior esophagogastroduodenoscopies: \_\_\_\_\_
- ? Total number of prior colonoscopies: \_\_\_\_\_

## Choose the foot switch type.

- ? Conventional foot switch ☐
- ? New foot switch ☐

Please read the questions below and place a checkmark ( ☒ ) in the box at the bottom of the relevant item.

## 1. Comport manipulation of the foot switch

To take a snapshot, the examiner moves only part of the front foot slightly upward and downward. The examiner does not need to lift their legs or place both feet on the floor.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 2. Comport endoscopic exam

Despite its long-term use, this foot switch does not induce asymmetric posture and musculoskeletal disorders. (Asymmetric posture, which involves an imbalance of the limbs, spine, and head, is a crucial factor contributing to musculoskeletal pain).

1	2	3	4	5	6	7
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Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 3. Stable posture of the examiner

This foot switch helps stabilize the endoscopist's posture. (Symmetric posture induces comfort endoscopic exam by the good posture during endoscopy).

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 4. Musculoskeletal pain relief (Neck pain prevention and reduction):

This foot switch is helpful for musculoskeletal pain relief and prevention in the neck area.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 5. Musculoskeletal pain relief (Back pain prevention and reduction)

This foot switch is helpful for musculoskeletal pain relief and prevention in the back area.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 6. Musculoskeletal pain relief (Shoulder pain prevention and reduction)

This foot switch is helpful for musculoskeletal pain relief and prevention in the shoulder area.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 7. Musculoskeletal pain relief (Pelvic pain prevention and reduction)

This foot switch is helpful for musculoskeletal pain relief and prevention in

the pelvic area.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **8. Musculoskeletal pain relief (knee pain prevention and reduction)**

This type of foot switch is helpful for musculoskeletal pain relief and prevention in the knee area.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **9. Overall fatigue reduction**

- This foot switch reduces overall fatigue associated with endoscopic activity.
- This foot switch reduces inappropriate ergonomic settings, which increases musculoskeletal disorders among high-volume endoscopists.

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **10. Inspection time (Efficiency of endoscopic examination)**

This foot switch helps shorten endoscopy time (regarding manipulation and musculoskeletal pain).

1	2	3	4	5	6	7
Strongly Disagree	Disagree	Somewhat disagree	Agree or disagree	Somewhat agree	Agree	Strongly agree
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **11. Concentration (Efficiency of endoscopic examination:)**

This foot switch helps concentration (regarding manipulation and

musculoskeletal pain).

[illegible]

## 12. Applicability with endoscopic mucosal resection

This foot switch can be applied for comfort endoscopic mucosal resection.

[illegible]

### 13. Applicability with endoscopic submucosal dissection

This foot switch can be applied for comfort endoscopic submucosal dissection.

[illegible]

#### 14. Applicability with endoscopic retrograde cholangiopancreatography

This foot switch can be applied for comfort endoscopic retrograde cholangiopancreatography.

[illegible]

### 15. Applicability with surgical knife such as Bovie knife

The foot switch can be applied for the comfort use of a surgical knife such as Bovie knife.

[illegible]

