

Manual for the Japanese Orthopaedic Association / Japanese Society for Surgery of the Foot, Self-Administered Foot Evaluation Questionnaire (SAFE-Q)

The Japanese Orthopaedic Association / Japanese Society for Surgery of the Foot, Self-Administered Foot Evaluation Questionnaire was created by The Clinical Outcomes Committee of the Japanese Orthopaedic Association as well as The Clinical Outcomes Committee of the Japanese Society for Surgery of the Foot. The title of the questionnaire and the scoring method are specified below. The Japanese Orthopaedic Association / Japanese Society for Surgery of the Foot, Self-Administered Foot Evaluation Questionnaire cannot be changed without permission.

I. Title of the Questionnaire

The title of this questionnaire, consisting of 34 mandatory items and 9 optional items (43 items in total), is “Japanese Orthopaedic Association / Japanese Society for Surgery of the Foot, Self-Administered Foot Evaluation Questionnaire.” The abbreviated form is SAFE-Q, and is pronounced “Seif-kju”.

II. Completion of the Questionnaire

1. This questionnaire is composed of patient-centered questions for assessment and should be filled out by the patients themselves or in cooperation with the caregiver. The healthcare staff should not help the patient answer the questions, because this may potentially guide the patient to give unintended answers. However, this does not apply in the following cases.
 - 1) The patient asks about the content of the questions.
 - 2) The patient is physically challenged and it is physically hard for him/her to write the answers accurately.
 - 3) The patient made a mistake when answering the questions (incorrect marking on VAS or multiple answers).
 - 4) Other cases in which a healthcare staff worker decides that it is necessary to help the patient fill out the questionnaire.
2. Healthcare staff workers must give consideration so that respondents do not learn the component name and score of the questions.

III. Questionnaire Items

1. Subscales of questions

The questions are comprised of the following subscales concerning the foot: [1] Pain and Pain-Related, [2] Physical Functioning and Daily Living, [3] Social Functioning, [4] Shoe-Related, [5] General Health and Well-Being, and [6] Sports Activity (optional).

Question items of each component are as follows:

- [1] Question 1 to Question 7, Question 10, and Question 11 (9 items) are “Pain and Pain-Related.”
- [2] Question 12 to Question 22 (11 items) concern “Physical Functioning and Daily Living.”
- [3] Question 23 to Question 28 (6 items) concern “Social Functioning.”
- [4] Question 8, Question 9, and Question 34 (3 items) are “Shoe-Related.”
- [5] Question 29 to Question 33 (5 items) concern “General Health and Well-Being.”
- [6] Question 35 to Question 43 (9 items) concern “Sports Activity,” and are listed as optional items.

2. Score of question items

- 1) For questions other than Questions 3 and 43, give a score of 4, 3, 2, 1, or 0 in order, from left to right.
- 2) For Questions 3 and 43, which should be answered using the Visual Analog Scale (VAS), read the value (to one decimal place) on the scale with the right end (full scale) as 10 cm. Calculate the score using the formula “ $(10 - \text{the Value}) \times 0.4$ ” for Question 3 and “ $\text{the Value} \times 0.4$ ” for Question 43.
- 3) Calculate the score of each subscale using the formula “[score calculated for each subscale] $\times 25 /$ [number of question items for each subscale].” For each subscale, the minimum score is 0 and the maximum score is 100.
- 4) The score of each subscale, and not the total score, is used for assessment.
- 5) The score of each subscale can be calculated using the “Scoring Table for the Japanese Orthopaedic Association / Japanese Society for Surgery of the Foot, Self-Administered Foot Evaluation Questionnaire (SAFE-Q)”.

**Scoring Table for the Japanese Orthopaedic Association /Japanese Society for Surgery of the
Foot, Self-Administered Foot Evaluation Questionnaire (SAFE-Q)**

Pain and Pain-Related (0 to 100 points)

Question 1	4, 3, 2, 1, 0
Question 2	4, 3, 2, 1, 0
Question 3	(10 – value) × 0.4
Question 4	4, 3, 2, 1, 0
Question 5	4, 3, 2, 1, 0
Question 6	4, 3, 2, 1, 0
Question 7	4, 3, 2, 1, 0
Question 10	4, 3, 2, 1, 0
Question 11	4, 3, 2, 1, 0

$$\boxed{\text{Calculated score}} \times \frac{25}{9} = \boxed{\text{“Pain and Pain-Related” score}} /100 \text{ points}$$

Physical Functioning and Daily Living (0 to 100 points)

Question 12	4, 3, 2, 1, 0
Question 13	4, 3, 2, 1, 0
Question 14	4, 3, 2, 1, 0
Question 15	4, 3, 2, 1, 0
Question 16	4, 3, 2, 1, 0
Question 17	4, 3, 2, 1, 0
Question 18	4, 3, 2, 1, 0
Question 19	4, 3, 2, 1, 0
Question 20	4, 3, 2, 1, 0
Question 21	4, 3, 2, 1, 0
Question 22	4, 3, 2, 1, 0

$$\boxed{\text{Calculated score}} \times \frac{25}{11} = \boxed{\text{“Physical Functioning and Daily Living” score}} /100 \text{ points}$$

Social Functioning (0 to 100 points)

Question 23	4, 3, 2, 1, 0
Question 24	4, 3, 2, 1, 0
Question 25	4, 3, 2, 1, 0
Question 26	4, 3, 2, 1, 0
Question 27	4, 3, 2, 1, 0
Question 28	4, 3, 2, 1, 0

$$\boxed{\text{Calculated score}} \times \frac{25}{6} = \boxed{\text{“Social Functioning” score}} /100 \text{ points}$$

Shoe-Related (0 to 100 points)

Question 8	4, 3, 2, 1, 0
Question 9	4, 3, 2, 1, 0
Question 34	4, 3, 2, 1, 0

$$\boxed{\text{Calculated score}} \times \frac{25}{3} = \boxed{\text{“Shoe-Related” score}} /100 \text{ points}$$

General Health and Well-Being (0 to 100 points)

Question 29	4, 3, 2, 1, 0
Question 30	4, 3, 2, 1, 0
Question 31	4, 3, 2, 1, 0
Question 32	4, 3, 2, 1, 0
Question 33	4, 3, 2, 1, 0

$$\boxed{\text{Calculated score}} \times \frac{25}{5} = \boxed{\text{“General Health and Well-Being” score}} /100 \text{ points}$$

Optional Item: Sports Activity (0 to 100 points)

Question 35	4, 3, 2, 1, 0
Question 36	4, 3, 2, 1, 0
Question 37	4, 3, 2, 1, 0
Question 38	4, 3, 2, 1, 0
Question 39	4, 3, 2, 1, 0
Question 40	4, 3, 2, 1, 0
Question 41	4, 3, 2, 1, 0
Question 42	4, 3, 2, 1, 0
Question 43	Value \times 0.4

$$\boxed{\text{Calculated score}} \times \frac{25}{9} = \boxed{\text{“Sports Activity” score}} / 100 \text{ points}$$