

## Appendix 2. Global rating scale

Identification number: \_\_\_\_\_

Supervisor: \_\_\_\_\_

Total score: 1. \_\_\_\_\_

Please rate the subject skill using the following scale. (1. Selective transforaminal epidural nerve block, 2. Lumbar medial branch block, 3. Lumbar sympathetic nerve block)

2. \_\_\_\_\_

3. \_\_\_\_\_

Operation	1 Needle cannot be seen.	2 Frequent use of unnecessary force when advancing the needle	3 Occasionally, the needle goes out. Carefully observe the needle position.	4	5 Minimize damage to surrounding tissues. Consistent and careful handling of the needle
Time and movement	1 A lot of unnecessary movement	2	3 Unnecessary movement, but more time-efficient	4	5 No unnecessary movement and time
Needle insertion	1 Requires repeated attempts to insert the needle	2	3 Sometimes awkward but can insert a needle in the first few attempts	4	5 Needles can be inserted naturally without awkwardness
Radiation device operation	1 Radiographic images are often off-center to the target Inadequate angle adjustment during the procedure	2	3 The radiographic image usually points to the center of the target. Good angle adjustment during the procedure	4	5 Radiographic images always point to the center of the target and the needle. Proper adjustment of the appropriate angle continuously during the procedure
Use of assistants	1 Failing to seek assistance from an assistant or reposition the imaging device	2	3 Usually with the help of an experienced assistant	4	5 Assisted by an assistant with the most appropriate strategy for the procedure
Procedure and progression	1 Stops frequently, or requires an examiner's advice or help	2	3 Demonstrates the ability to perform surgical procedures with relatively steady progression	4	5 Clearly shows natural progression and procedural steps from start to finish.
Procedure-related knowledge	1 Lack of knowledge. Most processes require specific instructions.	2	3 Knowing the important contents of the procedure	4	5 Familiarity with all aspects of the procedure

The possible score is 7-35 points.