

Supplement 4. Example of the second-round assessment of content validity

Case 1

An invasive ductal carcinoma (IDC) was found in a 45-year-old female, and a breast conservation procedure, lymphoidectomy, and anticancer therapy will be performed.

Question after modification: Which of the following is an appropriate nursing intervention to prevent lymphedema after mastectomy?

- 1) Doing a shoulder rotation exercise
- 2) Lifting the arm on the side of the operated breast
- 3) Evaluating sensation at the surgical site
- 4) Doing arm and finger movements involving flexion and extension
- 5) Contracting the abdominal muscles by taking a deep breath

Job: C4. Preoperative/intraoperative/postoperative nursing

Corresponding learning objective: 4. Body fluid imbalance / dysuria

Mean job validity: 3.5

Mean learning objective validity: 2.8

Advice of expert:

Final question: Question selection

Case 2

An invasive ductal carcinoma (IDC) was found in a 45-year-old female, and a breast conservation procedure, lymphoidectomy, and anticancer therapy will be performed. Since the patient's tumor is estrogen and progesterone receptor-positive, an estrogen receptor blocker (tamoxifen) will be injected.

Question after modification: Which behavior should be warned against when educating the patient about the risk of adverse reactions?

- 1) High-protein diet
- 2) Weight gain
- 3) Smoking
- 4) Drinking
- 5) Flexibility exercises

Job: F1. Administering drugs

Corresponding learning objective: 6. Cardiovascular/blood disorders

Mean job validity: 3

Mean learning objective validity: 3

Advice of expert:

Final question: Question selection