

Electronic supplementary material

ESM 3. Informational Gain Questionnaire (IGQ)

| | |
|---------------------------|--|
| Subject ID | |
| Date of Birth | |
| Date of Patient Education | |

1. What is an aneurysm?

(Please select one answer)

| | | |
|-----|--|--------------------------|
| a.) | Balloon-like enlargement of a major artery | <input type="checkbox"/> |
| b.) | Occlusion of a major artery | <input type="checkbox"/> |
| c.) | Large defect/hole in a major artery | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

2. Why was I recommended to undergo surgery on my aneurysm?

(Please select one answer)

| | | |
|-----|---|--------------------------|
| a.) | To lower my blood pressure and consequently lower the risk of the aneurysm rupturing. | <input type="checkbox"/> |
| b.) | To reduce the risk of dying from blood loss due to rupture of the aneurysm. | <input type="checkbox"/> |
| c.) | To prevent a stroke. | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

3. What statement is correct about the postoperative period following open aneurysm repair?

(Please select one answer)

| | | |
|-----|--|--------------------------|
| a.) | I am not allowed to lift heavy objects for the first few months after the operation to prevent a hernia. | <input type="checkbox"/> |
| b.) | I am no longer allowed to do any sports (e.g., swimming) under any circumstances whatsoever. | <input type="checkbox"/> |
| c.) | The inserted vascular prosthesis needs to be replaced in all cases after 10 years. | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

4. Which of the following organs' location is closest to the operating field?

(Please select one answer)

| | | |
|-----|---------------------------------|--------------------------|
| a.) | Spleen | <input type="checkbox"/> |
| b.) | Intestine | <input type="checkbox"/> |
| c.) | Heart | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

5. Which of the following surgical access techniques is commonly used for endovascular aneurysm repair?

(Please select one answer)

| | | |
|-----|--|--------------------------|
| a.) | Minimally invasive means that no incision or puncture of vessels is necessary. | <input type="checkbox"/> |
| b.) | Via a long longitudinal incision on the abdomen. | <input type="checkbox"/> |
| c.) | Via small incisions or punctures of vessels in the groin area. | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

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6. Which of the following statements is generally true for endovascular aneurysm repair? (Please select one answer)

| | | |
|-----|--|--------------------------|
| a.) | I usually must stay longer in hospital after the minimally invasive surgical method than after the "open surgery". | <input type="checkbox"/> |
| b.) | I must come back to the clinic for follow-up care more often after the minimally invasive surgical method than after "open surgery". | <input type="checkbox"/> |
| c.) | The minimally invasive method has no disadvantages compared to "open surgery". | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

7. Which of the following complications can occur following endovascular aneurysm repair? (Please select one answer)

| | | |
|-----|--|--------------------------|
| a.) | Acute circulatory shock due to an allergic reaction (e.g. to latex, drugs, X-ray contrast media, disinfectants) is very common and occurs in at least one in three patients. | <input type="checkbox"/> |
| b.) | Due to the minimally invasive surgical method, there are no major complications. | <input type="checkbox"/> |
| c.) | Postoperative bleeding and bruising at the catheter insertion site may occur. | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

8. Which of the following statements is correct with regards to the follow-up protocol following endovascular aneurysm repair? (Please select one answer)

| | | |
|-----|---|--------------------------|
| a.) | Control examinations after the operation are generally only recommended if acute complaints are present at the time. | <input type="checkbox"/> |
| b.) | Control examinations are necessary on a regular basis to detect changes in the stent prosthesis or the vessels at an early stage. | <input type="checkbox"/> |
| c.) | Due to the special nature of the stent prosthesis and the particularly gentle surgical technique, a check-up is generally not required. | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |

9. Which of the following statements comparing endovascular with open aneurysm repair is correct? (Please select one answer)

| | | |
|-----|---|--------------------------|
| a.) | With the minimally invasive surgical method, there is a higher exposure to X-rays than with the "open surgery". | <input type="checkbox"/> |
| b.) | In the "open" operation, there is a higher exposure to X-rays than in the minimally invasive operation method. | <input type="checkbox"/> |
| c.) | Both methods only use ultrasound. | <input type="checkbox"/> |
| d.) | I don't know/ I can't remember. | <input type="checkbox"/> |