

## Appendix 1

### Survey

Case: Six month ago a 28 years old healthy man had his first pneumothorax which was successfully treated conservatively with drainage. Now he has a recurrent primary spontaneous pneumothorax for what surgical intervention is indicated.

### Questions

1. In which hospital are you working?
2. Is a preoperatively chest CT-scan made in this situation?
  - a. Yes
  - b. No
3. What is the preferred surgical approach?
  - a. Video-assisted thoracoscopic surgery (VATS)
  - b. Thoracotomy
4. In case of a thoracoscopic surgery, how many surgical portals are used?
  - a. 1
  - b. 2
  - c. 3
5. What is the preferred type of surgery?
  - a. Pleurectomy
  - b. Pleurectomy plus bullectomy
  - c. Pleurectomy plus bullectomy plus talcage
  - d. Bullectomy plus talcage
6. In case of a pleurectomy, what kind of pleurectomy?
  - a. Upper 1/3
  - b. Near-total pleurectomy
  - c. Total pleurectomy
  - d. No pleurectomy is done
7. In case a chest CT-scan is made preoperatively and there are present bullae without air leakage, are you doing a bullectomy?
  - a. Yes
  - b. No
8. In case a chest CT-scan is made preoperatively and there are present bullae with air leakage, are you doing a bullectomy?
  - a. Yes
  - b. No
9. Is a standard apical wedge resection performed?
  - a. Yes
  - b. No
10. How many chest tubes are used?
  - a. 1 chest tube
  - b. 2 chest tubes
11. What size of chest tube is used?
  - a. <20 French
  - b. 20 French
  - c. 24 French
  - d. >24 French

12. What is the drainage modality used postoperatively?
  - a. Water seal
  - b. Suction  $<-10$  cmH<sub>2</sub>O
  - c. Suction  $>-15$  cmH<sub>2</sub>O
  - d. Suction  $\geq-10$  cmH<sub>2</sub>O and  $\leq-15$  cmH<sub>2</sub>O
13. When are the chest tubes removed?
  - a. Immediately, in case of no pneumothorax nor air leak
  - b. After a fixed amount of days
14. In case of a standardized set of days, how many days is the chest tube left in place?
  - a. 1 day
  - b. 2 days
  - c. 3 days
  - d. 4 days
  - e. 5 days
  - f. Not applicable
15. Is a routine postoperative chest X-ray made on postoperative day 0 or 1?
  - a. Yes
  - b. No
16. Is a chest X-ray made before chest tube removal?
  - a. Yes
  - b. No
17. Is a chest X-ray made after chest tube removal?
  - a. Yes
  - b. No
18. Is a chest X-ray made during the postoperative control at the outpatient clinic?
  - a. Yes
  - b. No
19. Which technique for pain management is used next to oral pain medication?
  - a. Epidural analgesia
  - b. Intravenous medication
  - c. Single shot paraspinal block