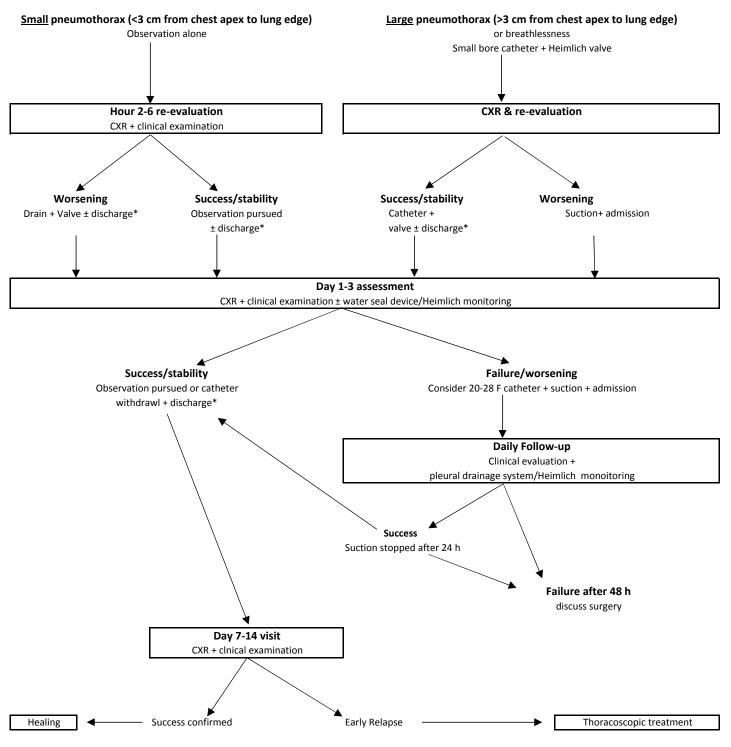
First Episode of Primary (No underlying lung disease) Spontaneous Pneumothorax (PSP)



*Discharge criteria

1. Patient stable

Modified from Massongo M, et al. Eur Respir J 2014;43:582-90.

- 2. Lives within 1 hr travel time
- 3. Patient does not live alone
- 4. Patient understands & can implement instructions

Primary Spontaneous Pneumothorax Management

Participants: thoracic surgery, emergency medicine, thoracic radiology 4/16

Principles:

Avoid unnecessary pain/admission/procedures for patients

Stable small pneumothoraces do not need chest tube

If pt with questionable home situation, pain or anxiety, ok to admit even without chest tube

Early identification of patients who would benefit from thoracoscopy

Key References:

Aguinagalde et al. Percutaneous aspiration vs tube drainage for spontaneous pneumothorax: systematic review & meta-analysis. Eur J Cardiothorac Surg 2010;37:1129-36.

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Cho, Lee. Management of primary & secondary pneumothorax using a small bore thoracic catheter. Interact Cardiovasc Thorac Surg 2010;11:146-9.

Hassani B et al. Outpatient management of primary spontaneous pneumothorax in the emergency department of a community hospital using a small bore catheter and Heimlich valve. Academ Emerg Med 2009;16:513-8.

Kelly et al. Outcomes of emergency department patients treated ford PSP. Chest 2008;134:1033-6.

Kheng KH et al. A randomized control trial comparing mini chest tube and needle aspiration in outpatient management of primary spontaneous pneumothorax. Am J Emerg Med 2011;29:1152-7.

MacDuff et al. Management of spontaneous pneumothorax: British Thoracic Society pleural disease guideline 2010. Thorax 2010:65:doi:10.1136/thx.2010.136986

Massongo M, et al. Outpatient management of primary spontaneous pneumothorax: a prospective study. Eur Respir J 2014;43:582-90.

Noppen et al. Manual aspiration vs chest tube drainage in first episode PSP. Am J Respir Crit Care Med 2002;165:1240-4.