

# Randomised trial of pleural fluid drainage frequency in patients with malignant pleural effusions: the ASAP trial



## Study Author(s)

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## Study Design

Randomised, single-blinded, phase IV, multicentre



## Study Location

United States



## Publication

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## Study Length

2009 to 2013



## Study Objective

"To determine whether an aggressive daily drainage strategy is superior to the current standard every other day drainage of pleural fluid in achieving autopleurodesis"



## Key Endpoint(s)

Incidence of autopleurodesis ("defined as complete or partial response based on symptomatic and radiographic changes")



## Patient Population

Patients with recurrent malignant pleural effusions



## Treatment

Patients were randomised to either aggressive drainage (daily; n=73) or standard drainage (every other day; n=76) of pleural fluid



## Key Findings

- Rate of autopleurodesis was greater in the aggressive drainage arm (47% [N = 34] vs 24% [N = 18]; P = 0.003)
- Patients in the aggressive drainage arm had a shorter median time to autopleurodesis than those in the standard drainage arm (54 days vs 90 days)
- No significant difference in quality of life or patient satisfaction
- No significant difference in rate of adverse events



## Study Conclusions

- "Among patients with malignant pleural effusion, daily drainage of pleural fluid via an indwelling pleural catheter led to a higher rate of autopleurodesis"