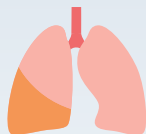


# Does Wall Suction Drainage Result in More Chest Discomfort Compared With Gravity Drainage in Large Volume Thoracentesis?

## STUDY DESIGN

**Prospective**, multicenter, anonymized, **randomized controlled trial** evaluating **drainage** of large free-flowing **pleural effusion** (> 500 mL) by **wall suction or gravity drainage** in a 1:1 ratio.

## RESULTS



Gravity

VS





Wall Suction

Of 228 patients randomized, **221 included in final analysis**

**1° outcome: Postprocedure chest discomfort at 5 minutes** did not differ between both groups

**2° outcomes:**

- **No significant difference** in postprocedure chest discomfort, breathlessness, volume drained, and complication rates

-   by 3 minutes with gravity drainage

In this study, thoracentesis via wall suction and gravity drainage resulted in similar levels of procedural discomfort and dyspnea improvement.