

The current standard of care for recurrent pleural effusions is challenging:

Frequent, painful invasive procedures. Infection risks.

Prolonged hospital stays. Ongoing daily maintenance.

Give patients freedom to breathe life in, with ACES™

ACES (Automatic Continuous Effusion Shunt)

is the first and only FDA-cleared, minimally invasive implant designed to eliminate recurrent pleural effusions and deliver simple, sustained relief.^{1,2}

Placed discreetly under the skin, ACES uses the body's natural breathing motion to automatically and continuously move fluid into the abdomen, where it is reabsorbed.^{1,2}



Make life with pleural effusions easier



Freedom from painful, repeated procedures^{1,2}

- Single, simple implant
- Short procedure
- < 1 day hospital stay
- High implant success rate



Freedom from daily maintenance^{1,2}

- No daily drainage
- No bottles or tubes
- No need for home health assistance



Freedom to do more³

- Sustained reduction in effusions
- Low risk of infection
- Shower, swim, & travel without limitations

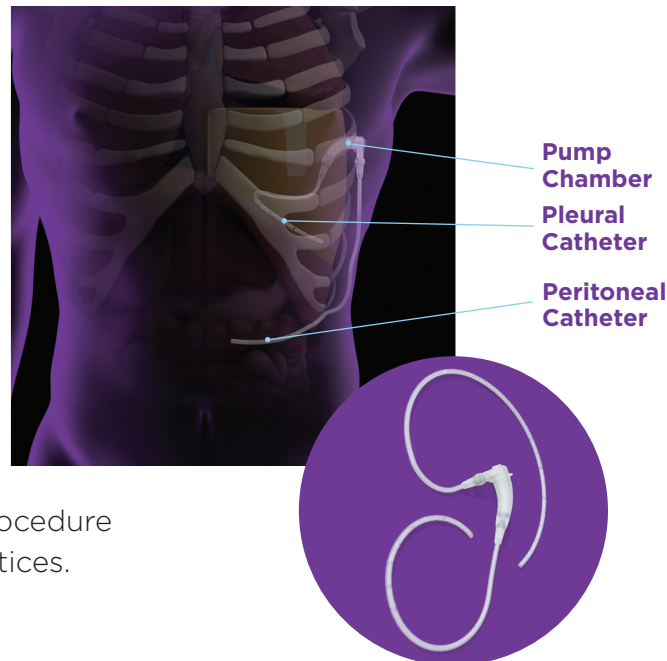
A single implant, performed inpatient or outpatient^{1,2}

The implant is placed in a straightforward procedure with an expected hospital stay of one day or less.

Minimally invasive implant: Through a small incision, the pump chamber is placed under the skin between the ribs. One catheter is positioned in the pleural space, the other in the abdomen for drainage.

Continuous relief: The pump continuously shunts fluid from the pleural space to the abdomen for absorption—without the need for external catheters or daily drainage.

Easy to adopt, with a familiar technique: Drawing on two familiar procedures—chest tube placement and peritoneal dialysis catheter insertion—the ACES implant technique is designed to feel intuitive with minimal training. Clinicians routinely report the procedure is “easy to perform” and fits naturally into current practices.



Fluid controlled. And out of mind.

ACES provides effective relief without external tubes or daily drainage, for greater independence and quality of life¹⁻³

94%

Up to 94% reduction in fluid volume was experienced by patients³

85%

Of patients would recommend the ACES to other patients³

100%

Of patients avoided daily at-home drainage procedures³

100%

Of patients free from ascites or tumor seeding³

0

Pleural infections³

Learn how to give patients with pleural effusions a higher standard of care—
visit www.pleuraldynamics.com or call (678)-618-8830.

References: 1. Data on File. Pleural Dynamics. The ACES Study for Aseptic Pleural Effusion. ClinicalTrials.gov ID NCT06210685. 2. 2025 ACES IFU. Pleural Dynamics. 3. Thiboutot J, Block MI, Akulian C, et al. A prospective study evaluating fluid shunting using the automatic continuous effusion management system in patients with symptomatic recurrent pleural effusion: The ACES Study. *Chest*. 2025;168(4):A7305-A7306.