

New forceps for a sutureless patch technique using sheet materials.

[Japanese]

Authors: Kanzaki M., Obara T., Sasano S., Isaka T., Miyano Y., Onuki T.

Publication Date: 2006

Abstract:

Intraoperative air leaks are often treated by a sutureless patch technique using a fibrin tissue-adhesive collagen fleece or synthetic materials with fibrin sealant. Intraoperatively, the technique of using these materials has been troublesome, therefore air leaks fail to close. Akicette has been applied as an easy sutureless patch technique for air leaks. Seven air leaks (5 were lung cancers, 2 were spontaneous pneumothorax) were treated with Akicette. Akicette is simple to operate with, and can easily carry sheet materials. Using Akicette, the sheet materials tightly adhered onto surrounding the pleural defect without any sliding on the wet lung surface. Akicette is feasible tool for a sutureless patch technique and is useful to easily place the sheet materials.