

Surgical management of penetrating cardiac injuries using a fibrin glue sheet.

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Abstract:

A penetrating cardiac injury is among the most lethal of all injuries. We present a case of penetrating cardiac injuries to both ventricles. A laceration on the right ventricle was repaired using buttressed sutures, while an injury to the left ventricle was repaired using a collagen mesh dressing covered by fibrin glue (TachoComb patch) without employing cardiopulmonary bypass. The patient recovered uneventfully without a ventricular pseudoaneurysm. Our results demonstrate the usefulness of a TachoComb patch for penetrating cardiac injuries occurring adjacent to the large coronary artery in the posterior wall of the heart. © 2007 Published by European Association for Cardio-Thoracic Surgery. All rights reserved.