Prospective comparison between conventional transseptal puncture and transseptal needle puncture with radiofrequency energy

Stéphane Fromentin · Jean-François Sarrazin · Jean Champagne · Isabelle Nault · François Philippon · Franck Molin · Louis Blier · Gilles O’Hara

Received: 15 November 2010 / Accepted: 4 March 2011 © Springer Science+Business Media

This study compared the safety and efficacy of radiofrequency (RF) transseptal puncture to the conventional technique.

The average time for the RF transseptal puncture was 4.8 minutes compared to 7.5 minutes for the conventional technique (p=0.045).

The average fluoroscopy time for the RF transseptal puncture was 1.8 minutes compared to 2.9 minutes for the conventional technique (p=0.043).

RF transseptal puncture was successful in all patients. Four patients undergoing the conventional technique required crossover to the RF transseptal puncture (p=0.003).