

Clinical trials of radial artery grafts

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1 CABG surgery

Trial	Treatments	Patients	Trials design and methods
radial artery grafts vs saphenous vein grafts			
RAPS (Desai) , 2004 [NCT00187356] n=440/440 follow-up: 12 months	group 1 versus group 2	patients undergoing bypass of the anterior circulation	Cross over open Canada, New Zealand
RSVP , 2008 [NCT00139399] n=82/60 follow-up: 5 ans	radial artery grafted to a stenosed branch of the native left circumflex coronary artery versus saphenous vein grafted to a stenosed branch of the native left circumflex coronary artery	patient undergoing CABG for a stenosed branch of the native left circumflex coronary artery	Parallel groups open England
Gaudino (radial A) , 2005 n=40/40 follow-up: 52 months	radial artery on the first obtuse marginal artery versus great saphenous vein graft on the first obtuse marginal artery	coronary artery bypass patients with previous in-stent restenosis (n=60) or not (n=60)	Parallel groups open Italy
VA CABG , 2010 [NCT00054847] n=366/367 follow-up: 1 year (5y)	radial artery graft versus saphenous vein graft	patients with stable coronary artery disease	Parallel groups open USA

More details and results :

- radial graft for CABG surgery in all type of patients at <http://www.trialresultscenter.org/go-Q401>

References

RAPS (Desai), 2004:

Desai ND, Naylor CD, Kiss A, Cohen EA, Feder-Elituv R, Miwa S, Radhakrishnan S, Dubbin J, Schwartz L, Femes SE Impact of patient and target-vessel characteristics on arterial and venous bypass graft patency: insight from a randomized trial. *Circulation* 2007;115:684-91 [17283268]

Singh SK, Desai ND, Petroff SD, Deb S, Cohen EA, Radhakrishnan S, Schwartz L, Dubbin J, Femes SE The impact of diabetic status on coronary artery bypass graft patency: insights from the radial artery patency study. *Circulation* 2008;118:S222-5 [18824758]

Desai ND, Cohen EA, Naylor CD, Fries SE A randomized comparison of radial-artery and saphenous-vein coronary bypass grafts. *N Engl J Med* 2004;351:2302-9 [15564545] [10.1056/NEJMoa040982](https://doi.org/10.1056/NEJMoa040982)

RSVP, 2008:

Collins P, Webb CM, Chong CF, Moat NE Radial artery versus saphenous vein patency randomized trial: five-year angiographic follow-up. *Circulation* 2008;117:2859-64 [18506009]

Gaudino (radial A), 2005:

Gaudino M, Cellini C, Pragliola C, Trani C, Burzotta F, Schiavoni G, Nasso G, Possati G Arterial versus venous bypass grafts in patients with in-stent restenosis. *Circulation* 2005;112:I265-9 [16159829]

VA CABG, 2010:

Goldman S, Sethi GK, Holman W, Thai H, McFalls E, Ward HB, Kelly RF, Rhenman B, Tobler GH, Bakaeen FG, Huh J, Soltero E, Moursi M, Haime M, Crittenden M, Kasirajan V, Ratliff M, Pett S, Irimpen A, Gunnar W, Thomas D, Fries S, Moritz T, Reda D, Harrison L Radial artery grafts vs saphenous vein grafts in coronary artery bypass surgery: a randomized trial. *JAMA* 2011 Jan 12;305:167-74 [21224458] [10.1001/jama.2010.1976](https://doi.org/10.1001/jama.2010.1976)