

# Clinical trials of TMR+CABG

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## 1 stable angina

Trial	Treatments	Patients	Trials design and methods
<b>TMR+CABG vs CABG</b>			
<a href="#">Allen , 2000</a> n=132/131 follow-up:	coronary bypass of suitable vessels plus transmyocardial revascularization to areas not graftable versus coronary bypass alone with nongraftable areas left unrevascularized	patients whose standard of care was coronary artery bypass grafting and who had one or more ischemic areas not amenable to bypass grafting	single blind
<a href="#">Loubani , 2003</a> n=10/10 follow-up: 36 months	coronary artery bypass grafting plus transmyocardial laser revascularization with a holmium:YAG (yttrium-aluminum-garnet) laser to nongraftable areas versus coronary artery bypass grafting	Patients who had elective coronary artery bypass with one or more nongraftable coronary arteries	Parallel groups open UK
<a href="#">Zhao , 2006</a> n=40/40 follow-up: 3.4y	transmyocardial laser revascularization (holmium: YAG) combined with off-pump coronary artery bypass versus off-pump coronary artery bypass	patients with diffusely diseased target vessels	Parallel groups open China

More details and results :

- myocardial revascularization for stable angina in all type of patient at <http://www.trialresultscenter.org/go-Q25>

## References

### Allen, 2000:

Allen KB, Dowling RD, DelRossi AJ, Realyvasques F, Lefrak EA, Pfeffer TA, Fudge TL, Mostovych M, Schuch D, Szentpetery S, Shaar CJ Transmyocardial laser revascularization combined with coronary artery bypass grafting: a multicenter, blinded, prospective, randomized, controlled trial. J Thorac Cardiovasc Surg 2000;119:540-9 [[10694615](#)]

### Loubani, 2003:

Loubani M, Chin D, Leverment JN, Galianes M Mid-term results of combined transmyocardial laser revascularization and coronary artery bypass. Ann Thorac Surg 2003;76:1163-6 [[14530005](#)]

## Zhao, 2006:

Zhao H, Wan F, Guo JX, Chen Y, Xie JY, Yang W, Zhang P [Chronic effects of transmyocardial laser revascularization combined with off-pump coronary artery bypass (OPCAB) compared with OPCAB alone in patients with ischemic heart disease: a prospective multicenter follow-up study] *Zhonghua Xin Xue Guan Bing Za Zhi* 2006;34:710-3 [17081396]

## 2 coronary artery disease

Trial	Treatments	Patients	Trials design and methods
<b>TMR+CABG vs CABG</b>			
Allen , 2000 n=132/131 follow-up:	coronary bypass of suitable vessels plus transmyocardial revascularization to areas not graftable versus coronary bypass alone with nongraftable areas left unrevascularized	patients whose standard of care was coronary artery bypass grafting and who had one or more ischemic areas not amenable to bypass grafting	single blind
Loubani , 2003 n=10/10 follow-up: 36 months	coronary artery bypass grafting plus transmyocardial laser revascularization with a holmium:YAG (yttrium-aluminum-garnet) laser to nongraftable areas versus coronary artery bypass grafting	Patients who had elective coronary artery bypass with one or more nongraftable coronary arteries	Parallel groups open UK
Zhao , 2006 n=40/40 follow-up: 3.4y	transmyocardial laser revascularization (holmium: YAG) combined with off-pump coronary artery bypass versus off-pump coronary artery bypass	patients with diffusely diseased target vessels	Parallel groups open China

More details and results :

- myocardial revascularization for coronary artery disease in all type of patient at <http://www.trialresultscenter.org/go-Q26>
- transmyocardial revascularization for coronary artery disease in all type of patients at <http://www.trialresultscenter.org/go-Q274>

## References

### Allen, 2000:

Allen KB, Dowling RD, DelRossi AJ, Realyvasques F, Lefrak EA, Pfeffer TA, Fudge TL, Mostovych M, Schuch D, Szentpetery S, Shaar CJ Transmyocardial laser revascularization combined with coronary artery bypass grafting: a multicenter, blinded, prospective, randomized, controlled trial. *J Thorac Cardiovasc Surg* 2000;119:540-9 [10694615]

**Loubani, 2003:**

Loubani M, Chin D, Leverment JN, Galianes M Mid-term results of combined transmyocardial laser revascularization and coronary artery bypass. *Ann Thorac Surg* 2003;76:1163-6 [[14530005](#)]

**Zhao, 2006:**

Zhao H, Wan F, Guo JX, Chen Y, Xie JY, Yang W, Zhang P [Chronic effects of transmyocardial laser revascularization combined with off-pump coronary artery bypass (OPCAB) compared with OPCAB alone in patients with ischemic heart disease: a prospective multicenter follow-up study] *Zhonghua Xin Xue Guan Bing Za Zhi* 2006;34:710-3 [[17081396](#)]

Entry terms: Coronary Artery Bypass Surgery, Coronary Artery Bypass, Coronary Artery Bypasses, Coronary Artery Bypass Surgery, Aortocoronary Bypass, Aortocoronary Bypasses, Coronary Artery Bypass Grafting, CABG