

COMPARE CPM-RMI Trial: Intramyocardial Transplantation of Autologous Bone Marrow-Derived CD133⁺ Cells and MNCs during CABG in Patients with Recent MI: A Phase II/III, Multicenter, Placebo-Controlled, Randomized, Double-Blind Clinical Trial

Mohammad Hassan Naseri, M.D.^{1#}, Hoda Madani, M.D.^{2#}, Seyed Hossein Ahmadi Tafti, M.D.³, Maryam Moshkani Farahani, M.D.⁴, Davood Kazemi Saleh, M.D.⁵, Hossein Hosseinejad, M.D.⁶, Saeid Hosseini, M.D.⁷, Sepideh Hekmat, M.D.⁸, Zargham Hossein Ahmadi, M.D.⁹, Majid Dehghani, M.D.⁶, Alireza Saadat, M.D.¹⁰, Soura Mardpour, M.Sc.², Seyedeh Esmat Hosseini, M.Sc.^{2,11}, Maryam Esmaeilzadeh, M.D., FACC., FASE.¹², Hakimeh Sadeghian, M.D.³, Gholamreza Bahoush, M.D.¹³, Ali Bassi, M.D.¹⁴, Ahmad Amin, M.D.¹⁵, Roghayeh Fazeli, M.D.², Yaser Sharafi, M.D.¹⁰, Leila Arab, M.D.², Mansour Movahhed, M.D.⁸, Saeid Davaran, M.D.³, Narges Ramezanzadeh, B.Sc.³, Azam Kouhkan, M.D.², Ali Hezavehei, M.D.¹⁶, Mehrnaz Namiri, M.Sc.², Fahimeh Kashfi, M.Sc.¹⁷, Ali Akhlaghi, M.Sc.¹⁷, Fattah Sotoodehnejadnematlahi, Ph.D.², Ahmad Vosough Dizaji, M.D.¹⁸, Hamid Gourabi, Ph.D.¹⁹, Naeema Syedi, Ph.D.²⁰, Abdolhosein Shahverdi, Ph.D.², Hossein Baharvand, Ph.D.², Nasser Aghdami, M.D., Ph.D.^{2*}

1. Department of Surgery, Baqiyatallah University of Medical Sciences, Tehran, Iran
2. Department of Regenerative Medicine, Cell Science Research Center, Royan Institute for Stem Cell Biology and Technology, ACECR, Tehran, Iran
3. Research Department, Tehran Heart Center, Tehran University of Medical Sciences, Tehran, Iran
4. Department of Echocardiography, Baqiyatallah University of Medical Sciences, Tehran, Iran
5. Department of Cardiology, Baqiyatallah University of Medical Sciences, Tehran, Iran
6. Department of Cardiac Surgery, Lavasani Hospital, Social Security Organization, Tehran, Iran
7. Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran
8. Department of Nuclear Medicine, Hasheminejad Hospital, Tehran University of Medical Sciences, Tehran, Iran
9. Transplantation Research Center, NRITLD, Masih Daneshvari Hospital, Shaheed Beheshti University of Medical Science, Darabad, Niavaran, Tehran, Iran
10. Department of Internal Medicine, Baqiyatallah University of Medical Sciences, Tehran, Iran
11. Student Research Committee, School of Nursing and Midwifery, Shahid Beheshti University of Medical Sciences, Tehran, Iran
12. Echocardiography Research Center, Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran
13. Department of Pediatrics, Ali Asghar Pediatric Hospital, Tehran University of Medical Sciences, Tehran, Iran
14. Department of Hematology and Oncology, Firoozgar Hospital, Iran University of Medical Sciences, Tehran, Iran
15. Department of Heart Failure and Transplantation, Fellowship in Heart Failure and Transplantation, Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran
16. Department of Internal Medicine, Lavasani Hospital, Social Security Organization, Tehran, Iran
17. Department of Epidemiology and Reproductive Health, Reproductive Epidemiology Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran
18. Department of Reproductive Imaging, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran
19. Department of Genetics, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran
20. School of Pharmacy and Medical Sciences, Sansom Institute for Health Research, University of South Australia, South Australia, Australia

*Corresponding Address: P.O.Box: 16635-148, Department of Regenerative Medicine, Cell Science Research Center, Royan Institute for Stem Cell Biology and Technology, ACECR, Tehran, Iran
Email: nasser.aghdami@royaninstitute.org

#The first two authors equally contributed to this article.

Citation: Naseri MH, Madani H, Ahmadi Tafti SH, Moshkani Farahani M, Kazemi Saleh D, Hosseinejad H, Hosseini S, Hekmat S, Hossein Ahmadi Z, Dehghani M, Saadat A, Mardpour S, Hosseini SE, Esmaeilzadeh M, Sadeghian H, Bahoush Gh, Bassi A, Amin A, Fazeli R, Sharafi Y, Arab L, Movahhed M, Davaran S, Ramezanzadeh N, Kouhkan A, Hezavehei A, Namiri M, Kashfi F, Akhlaghi A, Sotoodehnejadnematlahi F, Vosough Dizaji A, Gourabi H, Syedi N, Shahverdi AH, Baharvand H, Aghdami N. COMPARE CPM-RMI trial: intramyocardial transplantation of autologous bone marrow-derived CD133⁺ cells and MNCs during CABG in patients with recent MI: a phase II/III, multicenter, placebo-controlled, randomized, double-blind clinical trial. Cell J. 2018; 20(3): 449. doi: 10.22074/cellj.2018.6018.

This article published in Cell J (Yakhteh) Vol 20, No 2, Jul-Sep 2018, on pages 267-277, four affiliations (1, 4, 5, and 10) were changed based on authors request.