

Coronary – Subclavian Steal Syndrome Treated with Carotid to Subclavian Artery By-pass

D. Bindea^{1,3}, A. Todoran¹, T. Mihai¹, C. Ober², A. Iancu^{2,3}

¹Clinic of Cardiovascular Surgery, “Niculae Stăncioiu” Heart Institute, Cluj-Napoca, Romania

²Clinic of Cardiology, “Niculae Stăncioiu” Heart Institute, Cluj-Napoca, Romania

³University of Medicine and Pharmacy “Iuliu Hațieganu”, Cluj-Napoca, Romania

Abstract

Coronary-subclavian steal syndrome is a rare clinical entity, which results from the atherosclerotic disease of the origin of the subclavian artery in patients in which the internal mammary artery was used as a conduit for coronary artery by-pass. This complication causes reversal of the flow in the internal mammary artery and the recurrence of myocardial ischemia. The therapeutic options are angioplasty and stent of the subclavian artery or, in a rare case of occlusion, surgical treatment. This case report describes the use of the carotid to subclavian artery by-pass for the treatment of coronary-subclavian steal syndrome due to the occlusion of the subclavian artery.

Key words: subclavian artery stenosis, coronary-subclavian steal syndrome, carotido-subclavian by-pass

Corresponding author: Dan Bindea, MD
“Niculae Stăncioiu” Heart Institute
Clinic of Cardiovascular Surgery, Cluj-Napoca
Moșilor Street, no. 19-21, 400001, Romania
E-mail: bindea_dan_ch@yahoo.com