# Aortoiliac Occlusion Disease 

Umberto G. Rossi, MD, EBIR ${ }^{1,2 \odot}$ Anna M. lerardi, MD ${ }^{3}$ Maurizio Cariati, MD ${ }^{2}$

${ }^{1}$ Department of Diagnostic Imaging, Interventional Radiology Unit, Ente Ospedaliero Galliera Hospital, Mura delle Cappuccine, Genova, Italy
${ }^{2}$ Advanced Technology Department of Diagnostic and Therapy, Radiology and Interventional Radiology Unit, Azienda Socio Sanitaria Territoriale Santi Paolo and Carlo - San Carlo Borromeo Hospital, Milano, Italy
${ }^{3}$ Department of Diagnostic Imaging, Radiology Unit, Istituto di Ricerca a Carattere Clinico e Scientifico Cà Granda Fondation, Maggiore Policlinico Hospital, Via Francesco Sforza, Milano, Italy

Aorta (Stamford) 2022;10:92-93.

## Abstract

Keywords

- aorta
- iliac
- artery
- occlusion
- vascular disease
- imaging

Address for correspondence Umberto G. Rossi, MD, EBIR, Department of Diagnostic Imaging, Interventional Radiology Unit, E. O. Galliera Hospital, Mura delle Cappuccine, Genova 14-16128, Italy (e-mail: urossi76@hotmail.com; umberto.rossi@galliera.it).


Fig. 1 Multidetector computed tomography with coronal volume rendering reconstruction shows abdominal aortic occlusion below renal arteries origin's (white arrowhead) with extension to bilateral common iliac arteries. Note the hypertrophic network of collateral vessels: (1) superior mesenteric artery (yellow arrowhead) communicates with inferior mesenteric artery via Riolan's arc (white arrows), (2) inferior mesenteric artery (green arrowhead) through the superior rectal artery (red arrows) provides blood flow to internal iliac artery (red arrowheads), and (3) inferior epigastric arteries (blue arrowheads) guarantee blood flow to the bilateral external iliac arteries (yellow arrows).
revascularization with either percutaneous endoluminal techniques or aortobifemoral bypass graft surgery.

Funding
None.

## Conflict of Interest

The authors declare no conflict of interest related to this article.

## Acknowledgment

None.

## References

1 Rossi UG, Cariati M. Aortoenteric fistula. J Cardiovasc Comput Tomogr 2015;9(05):461-462
2 Suh B, Song YS, Shin DW, et al. Incidentally detected atherosclerosis in the abdominal aorta or its major branches on computed tomography is highly associated with coronary heart disease in asymptomatic adults. J Cardiovasc Comput Tomogr 2018;12(04): 305-311
3 Rossi UG, Ierardi AM, Carrafiello G, Cariati M. Aortic coarctation. Aorta (Stamford) 2020;8(02):46-47
4 Setacci C, Galzerano G, Setacci F, et al. Endovascular approach to Leriche syndrome. J Cardiovasc Surg (Torino) 2012;53(03): 301-306

