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Review of imaging and endovascular intervention of ilio caval venous compression syndrome

Toh MR. *et al.* Review of imaging and endovascular intervention of ICS

Ming Ren Toh, Tjun Yip Tang, Han Hui Mervin Nathan Lim, Nanda Venkatanarasimha, Karthikeyan Damodharan

Abstract

Ilio caval venous compression syndrome (ICS) is the extrinsic compression of the



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Purpose: The purpose of this study was to evaluate the clinical presentation, diagnosis, and **endovascular treatment of ilio caval compression syndrome** (ICS). Patients and Methods: During a 3-year period, 18 patients (17 women, 1 man; mean age, 42 years) presented with clinical and **imaging** findings consistent with ICS. All patients were evaluated with venography and Doppler ultrasound ...

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Mar 04, 2018 · A thorough review of all **imaging studies** is paramount in determining the extent of **venous disease**, presence of anatomic anomalies, and assists in preprocedural planning.

Ultrasonography may demonstrate **femoral vein** and **peripheral lower extremity thrombosis**, whether acute or chronic.

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Iliac vein compression syndrome: Clinical, imaging and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4663376>

Nov 28, 2015 · **Iliac vein compression syndrome**, also know as **May-Thurner syndrome** (MTS), is caused by both mechanical and physiologic factors; the **chronic pulsatile compression** of the left common **iliac vein** (LCIV) by the right common iliac artery (RCIA) stimulates the formation of fibrotic adhesions that can cause partial or complete **iliac vein obstruction** over ...

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Satokawa H, Hoshino S, Iwaya F, et al. Intravascular imaging methods for venous disorders. Int J Angiol. 2000;9:117-121. Hurst DR, Forauer AR, Bloom JR, Greenfield LJ, et al. Diagnosis and endovascular treatment of ilio caval compression syndrome.

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<https://www.uptodate.com/contents/endovenous-intervention-for-iliocaval-venous-obstruction>

INTRODUCTION: Iliocaval compression syndrome (ICCS) is a rare condition characterized by chronic venous obstruction of the ilio caval system, leading to lower extremity swelling, pain, and skin changes. The condition is caused by compression of the ilio caval vein by the ilio caval artery, which can lead to chronic venous insufficiency and subsequent complications. The diagnosis is typically made by imaging studies, and treatment options include endovascular intervention and surgery. This article reviews the clinical presentation, diagnosis, and treatment of ICCS.