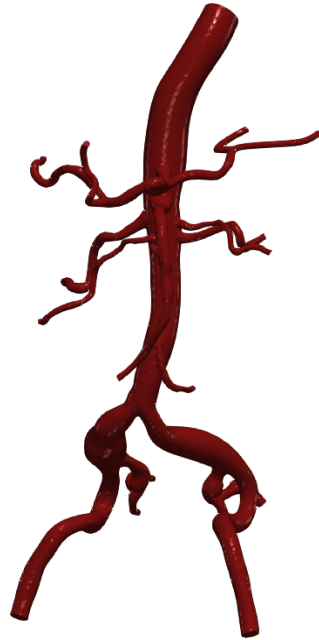


Vascular Model Repository

Specifications Document



0030_H_ABAO_H

Legacy Name: 0110_0001

Model added: 27 Dec 2021

Species	Human
Anatomy	Abdominal Aorta
Disease	Healthy
Procedure	None

Clinical Significance and Background

Abdominal Aorta

The largest blood vessel and the primary artery of the human body, the aorta, carries oxygenated blood pumped from the heart to the rest of the body. The aorta is divided into four sections: the ascending aorta, the aortic arch, the thoracic aorta, and the abdominal aorta.

The last section of the aorta, the abdominal aorta, starts at the diaphragm and ends just above the pelvis. This section is responsible for supplying blood to the stomach, kidneys, liver, and intestines. Past the abdominal aorta, the artery branches into two separate iliac arteries, one for each leg, which is responsible for supplying oxygenated blood to the legs and lower half of the body.

Each iliac artery, in turn, proceeds to branch into the external and internal iliac arteries, the former of which then becomes the main femoral artery. The femoral arteries are a major component in supplying oxygenated blood to the legs and lower body.

Clinical Data

General Patient Data

Age (yrs)	67
Sex	Male

Notes

See below for information on the image data.

Image Modality: MR

Image Type: VTI

Image Source: TLAB

Image Manufacturer: GE MEDICAL SYSTEMS

Publications

See the following publications which include the featured model for more details:

Wang, K. C. Y. (2001). Level set methods for computational prototyping with application to hemodynamic modeling. stanford university.

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AND/OR

N.M. Wilson, A.K. Ortiz, and A.B. Johnson, "The Vascular Model Repository: A Public Resource of Medical Imaging Data and Blood Flow Simulation Results," J. Med. Devices 7(4), 040923 (Dec 05, 2013) doi:10.1115/1.4025983.

AND/OR

Reference the official website for this data: www.vascularmodel.com

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