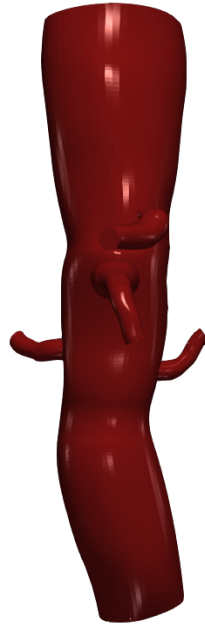


# Vascular Model Repository

## Specifications Document



0190\_H\_ABAO\_H

Legacy Name: aorta12

Model added: 5 Jul 2023

<b>Species</b>	Human
<b>Anatomy</b>	Abdominal Aorta
<b>Disease</b>	Healthy
<b>Procedure</b>	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)	-
Sex	-

## Notes

Images from Ken Tran. Seem like no aneurysm. (very similar to 0189\_H\_ABAO\_H)  
See below for information on the image data.

**Image Type:** VTI

## Publications

There are no publications associated with the featured model.

# License

Copyright (c) Stanford University, the Regents of the University of California, Open Source Medical Software Corporation, and other parties.

All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this data to use the data for research and development purposes subject to the following conditions:

The above copyright notice and the README-COPYRIGHT file shall be included in all copies of any portion of this data. Whenever reasonable and possible in publications and presentations when this data is used in whole or part, please include an acknowledgement similar to the following:

"The data used herein was provided in whole or in part with Federal funds from the National Library of Medicine under Grant No. R01LM013120, and the National Heart, Lung, and Blood Institute, National Institutes of Health, Department of Health and Human Services, under Contract No. HHSN268201100035C"

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](http://www.vascularmodel.com)

THE DATA IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE DATA OR THE USE OR OTHER DEALINGS IN THE DATA.