

The vascular imaging package on the GE Vivid 7 system increases clinical confidence.

St. John Hospital, Detroit, MI

With its outstanding image quality and ease of use, the vascular imaging option available on the Vivid™ 7 Dimension is an effective means to assess hemodynamics, evaluate low flow states and detect disease.

In this case, Dr. Cohen from St. John Hospital in Detroit, MI, used the Vivid 7 Dimension with a 10 MHz linear probe to interrogate the carotid of an obese patient with a history of a low HDL cholesterol concentration, hypertension, smoking, deep vein thrombosis and a prior pulmonary embolism. The echo examination revealed a large calcified plaque but normal intima-medial thickening. With this information, clinical confidence was increased leading to a prescription of Rosuvastatin and fish oil.

“We found vascular imaging on the Vivid 7 to be outstanding, increasing our clinical confidence.”

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Vascular imaging package from GE Healthcare found to be easy to use while generating excellent, high-quality images.

A 65-year-old white male was referred to our Lipid Clinic for evaluation of a low HDL cholesterol concentration. He also had a history of hypertension (treated with Amlodipine, Cozaar, and Furosemide), remote smoking, and deep vein thrombosis, as well as prior pulmonary embolism (treated with Coumadin). Two sisters were being treated for dyslipidemia. His father had a myocardial infarction at age 60. The patient is sedentary, and his diet is poor with excessive saturated fats and simple sugars. Physical examination was normal except for obesity (BMI = 32 kg/m²), with no xanthomas or corneal arcus. Blood pressure was normal.

The lipid profile and chemistry findings are shown below (mg/dL):

Total cholesterol:	160
Triglycerides:	130
HDL-C:	25
LDL-C:	110
Apo-B:	80
apoB:LDL ratio:	0.7
Lp(a):	22
Fasting Glucose:	97
Creatinine:	1.2

CPK, liver transaminases, TSH and hemoglobin A1C were normal.

