To refer a patient or consult with our team, please call:
800 245-6478

www.ohsuknightheart.com
Clinical Trials

The OHSU Knight Cardiovascular Institute is involved in dozens of cardiovascular clinical trials. We’re studying the risk factors for heart disease, cutting-edge treatments and prevention techniques, as well as the latest technology used to combat heart failure.

For more information on clinical trials at the OHSU Knight Cardiovascular Institute, contact:

Carolyn Bruebaker-Moore
bruebake@ohsu.edu
503 494-0236

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Cover photo: Alissa Augustus, R.N., Tina Kaufman, Ph.D., P.A.-C. and Sergio Fazio, M.D., Ph.D.
Dear colleague,

We are pleased to share the OHSU Knight Cardiovascular Institute 2016 Referral Guide. The OHSU Knight Cardiovascular Institute is a destination clinical and research institution dedicated to creating new ways to attack cardiovascular disease from every angle, at every point in a person’s lifetime. Our mission is to accelerate new prevention, diagnostic and treatment strategies in the laboratory and move them into patient care as rapidly as possible. Through research and clinical trials we work with providers to give patients early access to the best new treatments.

The OHSU Knight Cardiovascular Institute is not just confined to Marquam Hill. Every day, we work alongside OHSU alumni, physicians in the community, regional hospitals, first responders, nurses and other health care providers to bring specialized heart care to patients with complex needs. We thank you for your role in the fight against heart disease.

Regards,

Albert Starr, M.D.
Co-Director, OHSU Knight Cardiovascular Institute
Distinguished Professor of Surgery and Cardiovascular Medicine

Sanjiv Kaul, M.D.
Co-Director, OHSU Knight Cardiovascular Institute
Ernest C. Swigert Chair of Cardiovascular Medicine
Professor of Medicine and Diagnostic Radiology
Associate Dean, School of Medicine
Clinical programs

Aortic Conditions
Nationally and internationally recognized clinicians and researchers in vascular surgery, cardiothoracic surgery, interventional radiology, cardiology and related disciplines partner with you to provide consultation, treatment and comprehensive surgical and medical management for any aortic condition. Services include: the latest multimodality aortic imaging, medical monitoring, aneurysm repair, endovascular surgery, hybrid open/ endovascular surgery and minimally invasive vascular surgery such as EVAR and TEVAR.

Ischemic Heart Disease
Advanced medical, interventional, diagnostic and surgical procedures to manage diseases of the coronary arteries, including percutaneous coronary intervention and coronary artery bypass grafting (CABG). OHSU is home to Oregon's first accredited chest pain center and is one of the few hospitals in the country to offer myocardial contrast echocardiography (MCE) to quickly and accurately detect decreased blood flow in arteries.

Heart Rhythm Disorders
Full range of electrophysiology (EP) procedures, including pacemaker and defibrillator implantation; EP study and ablation of supraventricular tachycardia, atrial fibrillation and ventricular tachycardia; laser lead extraction; and epicardial access and ablation. OHSU is the first hospital in the region to offer a cryoballoon procedure to isolate, freeze and ablate the pulmonary veins, and is the only hospital in the region with a research protocol that permits safe MRI scans on patients with a permanent pacemaker (PPM) or implantable cardioverter defibrillator (ICD).

Structural Heart Disease
Offering the complete spectrum of minimally invasive and traditional surgery to repair or replace heart valves, including every form of percutaneous and surgical intervention such as PFO and ASD closures, ethanol septal ablations, arterial embolizations, peripheral interventions, left atrial appendage closure, percutaneous ventricular assist devices (Impella and Tandem Heart) and valvuloplasties (aortic, mitral and pulmonic). OHSU performed the West Coast’s first noninvestigational transcatheter aortic valve replacement (TAVR) using a transapical approach (catheter inserted between the ribs).

Congenital Heart Disease
Full-service team of adult cardiologists, pediatric cardiologists, interventional cardiologists, geneticists and heart surgeons specializing in the inpatient and outpatient care of adults with congenital heart disease, including the full spectrum from undiagnosed lesions to complex palliated patients. OHSU offers state-of-the-art diagnostics, catheter intervention, electrophysiologic study and surgery, and patients have access to congenital heart disease clinical trials not available elsewhere in the state.

Heart Failure and Transplant
Oregon's only heart transplant program and the first hospital in the Pacific Northwest to receive the Joint Commission's Advanced Certification in Heart Failure. A multidisciplinary team of cardiac surgeons, cardiologists, intensivists, clinical coordinators, advanced practitioners and social workers specialize
in the care of patients with advanced heart failure and work together to provide the most appropriate advanced therapies available, including augmented medical therapy, inotropes, ventricular assist devices and other forms of mechanical circulatory support, and heart transplantation. OHSU has performed more than 650 heart transplants and more than 200 mechanical support device implants.

**Hypertrophic Cardiomyopathy**
The first program of its kind in Oregon, this multidisciplinary team from cardiology, medical genetics and pediatric cardiology provides expert care for a condition characterized by abnormal thickening of the left ventricular muscle. The program is registered with the Hypertrophic Cardiomyopathy Association and provides treatment that includes medical therapies (beta blockers, certain calcium channel blockers, disopyramide), septal reduction therapies (surgical or catheter-based), implantable cardioverter defibrillator and advanced heart failure therapies.

**Center for Preventive Cardiology**
For patients with increased risk of heart disease (e.g., dyslipidemia, diabetes and hypertension), the Center for Preventive Cardiology offers a combination of advanced medical intervention and lifestyle modification. We work with genetic counselors, behavioral health and lipid experts to offer specialized care for patients with complex lipid abnormalities such as familial hypercholesterolemia, intolerance to statins, early family history or premature disease. Our multidisciplinary team includes endocrinologists and nutritionists for a collaborative approach to managing other high-risk factors. The Center also includes OHSU's three-phase inpatient/outpatient cardiac rehab program, which is nationally certified by the American Association of Cardiovascular and Pulmonary Rehabilitation.

**Cardiothoracic Surgery**
Regional resource for patients with advanced heart diseases that require complex treatments. OHSU’s cardiac surgery team cares for adult patients with acquired heart disease, including coronary artery disease, valvular heart disease, aortic aneurysm and heart failure using innovative surgical techniques. Minimally invasive approaches are used whenever possible to give patients the best outcomes while minimizing discomfort and recovery time.

**Vascular Disease**
OHSU’s Vascular Disease program includes nationally renowned experts specially trained to diagnose and treat the entire spectrum of arterial, venous and lymphatic disorders. A team of providers including vascular, cardiothoracic and endovascular surgeons treat the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, intestinal and kidney arteries and veins, upper and lower extremity arteries and veins, patients with Raynaud’s syndrome, those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations.
**Cardiogenetics**
This multidisciplinary team of experts provides personalized care and support to patients and families with hereditary cardiovascular diseases such as familial hypercholesterolemia, Marfan syndrome, familial amyloidosis, dilated and hypertrophic cardiomyopathy and Long QT syndrome, amongst others. Genetic counselors, cardiologists, electrophysiologists, surgeons, neurologists, primary care providers, nephrologists, nurses and other healthcare providers work together to ensure patients receive precision healthcare tailored to their genetic diagnosis. Genetic counselors consult with patients and families to understand the hereditary nature of cardiovascular diseases, provide genetic testing, address the physical and emotional implications of having an inherited cardiovascular condition, and connect patients to research opportunities.

**Cardio-oncology**
This unique program specializes in the cardiovascular care of patients currently undergoing or previously treated with chemotherapy, radiation therapy or bone marrow transplantation. To ensure long-term health and overall survival of cancer patients, we offer expert care for prevention of chemotherapy-induced cardiotoxicity and radiation-induced heart damage, management of existing heart conditions during cancer treatment and cardiac complications after cancer treatment, and assessment of long-term cardiovascular risk with optimization of preventive treatments for cancer survivors. Our multidisciplinary program brings together cardiologists with a special interest in the cardiovascular effects of anti-cancer therapies and oncologists to provide comprehensive and personalized care for our patients.

Luke J. Burchill, M.D., Ph.D.,
Victor Manuel Rodriguez, M.D.
and Enjae Jung, M.D.

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800 245-6478
# Quick reference of providers by clinic

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Suzanne Hanson, R.N.
Christina Leese, R.N.
Tonja Spencer, R.N.

VAD Coordinators
Scott Campbell, R.N.
Josh Montgomery, R.N.
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Physician Listings

Cherrie Z. Abraham, M.D.
Academic and professional appointment: Associate Professor; Director of Aortic Program
M.D.: Dalhousie University, Halifax, Canada
Residency: General surgery, Dalhousie University, Halifax, Canada
Fellowships: Vascular surgery, University of Western Ontario, London, Ontario, Canada; endovascular surgery, University of California, San Francisco, Calif.; vascular interventional radiology, Ashford Hospital, Adelaide, Australia
Board certifications: General surgery (1999), vascular surgery (2001), Royal College of Physicians and Surgeons of Canada, FRCSC
Patient care emphasis: Aortic pathology, aortic aneurysms and dissections of the thoracic and abdominal aorta, complex aortic aneurysms, endovascular aneurysm repair, complex thoracoabdominal aneurysms, general vascular surgery
Research interests: Fenestrated and branched endovascular repair of complex aortic aneurysm and dissection

Amir Azarbal, M.D.
Academic appointment: Assistant Professor
M.D.: Columbia University, New York, N.Y.
Residency: General surgery, Oregon Health & Science University, Portland, Ore.
Fellowship: Vascular surgery, Oregon Health & Science University, Portland, Ore.
Board certifications: Surgery (2012), vascular surgery (2012), American Board of Surgery
Patient care emphasis: Vascular surgery

Rupa Bala, M.D.
Academic appointment: Associate Professor
M.D.: Georgetown University School of Medicine, Washington, D.C.
Residency: Internal medicine, University of Chicago Medical Center, Chicago, Ill.
Fellowship: Cardiology and electrophysiology, Hospital of the University of Pennsylvania, Philadelphia, Pa.
Patient care emphasis: Arrhythmia / electrophysiology, management of ventricular arrhythmias, management of atrial arrhythmias, management of SVT, device implantation

To refer a patient for a consult, call:
800 245-6478
Craig Broberg, M.D., M.C.R., F.A.C.C.

Academic and professional appointment: Associate Professor; Director of Adult Congenital Heart Program
M.D.: University of California, San Francisco, Calif.
Residency: Internal medicine, University of Washington, Seattle, Wash.
Fellowships: Cardiology, Oregon Health & Science University, Portland, Ore.; adult congenital heart disease, cardiac magnetic resonance imaging, Royal Brompton & Harefield NHS Trust/Imperial College, London, U.K.
Board certification: Cardiovascular disease (2003), American Board of Internal Medicine
Patient care emphasis: Congenital heart disease and non-invasive imaging including echocardiography and cardiac MRI
Research interests: Heart failure in adults with congenital heart disease, advanced imaging options in congenital heart disease, database resources and use of electronic health records, and optimal management of cyanotic heart disease, specifically patients with Eisenmenger Syndrome

Luke J. Burchill, M.D., Ph.D.

Academic appointment: Assistant Professor
M.D.: University of Melbourne, Australia
Ph.D.: University of Melbourne, Australia
Residency: Internal medicine, Austin Health, University of Melbourne, Australia
Fellowships: Echocardiography, Cleveland Clinic, Cleveland, Ohio; advanced heart failure and transplantation and adult congenital heart disease, Toronto General Hospital, Canada; research fellow, cardiovascular medicine, University of Melbourne, Australia; adult cardiology registrar, Austin Health, University of Melbourne, Australia
Board certification: Royal Australasian College of Physicians and Surgeons
Patient care emphasis: Cardiology, echocardiography, advanced heart failure and transplantation, congenital heart disease

S. Albert Camacho, M.D., F.A.C.C.

Academic appointment: Associate Professor
M.D.: Loma Linda University, Loma Linda, Calif.
Residency: Internal medicine, Loma Linda University, Loma Linda, Calif.
Fellowship: Cardiology, University of California, San Francisco, Calif.
Board certifications: Internal medicine (1986), cardiovascular disease (1989), American Board of Internal Medicine
Patient care emphasis: Heart failure, cardiomyopathy, general cardiology

Scott Chadderdon, M.D.

Academic appointment: Assistant Professor
Residency: Internal medicine, Oregon Health & Science University, Portland, Ore.
Fellowship: Cardiovascular medicine, Oregon Health & Science University, Portland, Ore.
Board certifications: Internal medicine (2005), cardiovascular disease (2009), American Board of Internal Medicine; National Board of Echocardiography (2011)
Patient care emphasis: General adult cardiovascular care with specialized interest in advanced imaging modalities utilizing contrast enhanced ultrasound, diabetes and cardiovascular disease
Research interests: Identification of early atherosclerotic disease and the regulation of myocardial and skeletal blood flow in obesity and insulin resistance using contrast enhanced ultrasound and molecular imaging
Christopher Chien, M.D., F.A.C.C.

Academic appointment: Assistant Professor
M.D.: Rosalind Franklin University of Medicine and Science, North Chicago, Ill.
Residency: Internal medicine, Cedars-Sinai Medical Center, Los Angeles, Calif.
Fellowships: Cardiovascular medicine, Oregon Health & Science University, Portland, Ore.; advanced heart failure and transplantation, Oregon Health & Science University, Portland, Ore.
Board certifications: Internal medicine (2009), cardiovascular disease (2012), advanced heart failure and transplant cardiology (2014), American Board of Internal Medicine; Certified Board of Nuclear Cardiology (2012)
Patient care emphasis: Heart failure, cardiogenic shock, cardiac transplantation, ventricular assist devices
Research interests: Cognitive dysfunction in heart failure, management of ventricular assist devices, arrhythmias in heart failure, right ventricular function

Joaquin E. Cigarroa, M.D., F.A.C.C., F.S.C.A.I.

Academic and professional appointment: Clinical Professor; Associate Head of Clinical Affairs
M.D.: Cornell University, New York, N.Y.
Residency: Internal medicine, Massachusetts General Hospital, Boston, Mass.
Fellowship: Cardiovascular medicine and interventional cardiology, Massachusetts General Hospital, Boston, Mass.
Board certifications: Cardiovascular disease (2007), interventional cardiology (2010), American Board of Internal Medicine
Patient care emphasis: Coronary artery disease, valvular heart disease, alcohol septal ablation of hypertrophic cardiomyopathy, interventional cardiology, adult structural heart disease (ASD closure, paravalvular closure, VSD closure, percutaneous valve implantation)
Research interests: Clinical trials in acute coronary syndrome and interventional cardiology

Jonathan Davis, M.D., M.P.H.S.

Academic appointment: Assistant Professor
M.P.H.S.: Washington University School of Medicine, St. Louis, Mo.
Residency: Internal medicine, University of California, San Francisco, San Francisco, Calif.
Fellowships: Cardiovascular medicine; advanced heart failure, Washington University School of Medicine, St. Louis, Mo.
Board certifications: Internal medicine (2010), special competence in adult echocardiography (ASCeXAM) (2014), cardiovascular disease (2014), American Board of Internal Medicine
Patient care emphasis: Heart assist devices, heart transplant, particularly end-stage HF treatment before and after LVAD and/or heart transplant and advanced HF treatment options
Research interests: Outcomes in both the general heart failure and LVAD populations, identifying and reducing risk factors for readmission after heart failure hospitalization

Thomas Dewland, M.D.

Academic appointment: Assistant Professor
M.D.: Yale University School of Medicine, New Haven, Conn.
Residency: Internal medicine, University of California, San Francisco, Calif.
Fellowships: General cardiology, University of California, San Francisco, Calif.; cardiac electrophysiology, University of California, San Francisco, Calif.
Board certifications: Internal medicine (2009), cardiovascular disease (2012), clinical cardiac electrophysiology (2014), American Board of Internal Medicine
Patient care emphasis: Catheter ablation of atrial fibrillation, supraventricular tachycardia and ventricular tachycardia; pacemaker, defibrillator and biventricular device implantation
Research interests: Atrial fibrillation pathogenesis, primary prevention of conduction system disease and atrial arrhythmias

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P. Barton Duell, M.D.

Academic appointment: Associate Professor
M.D.: Oregon Health & Science University, Portland, Ore.
Residency: Medicine, University of Chicago, Chicago, Ill. and Oregon Health & Science University, Portland, Ore.
Fellowship: Metabolism, endocrinology and nutrition, University of Washington, Seattle, Wash.
Board certifications: Internal medicine (1986), endocrinology, diabetes and metabolism (1989), American Board of Internal Medicine
Patient care emphasis: Cardiology, endocrinology and diabetes
Research interests: Lipid disorders, metabolic disorders, homocysteine metabolism, prevention of atherosclerosis, diabetes, endocrinology and management of obesity

Sergio Fazio, M.D., Ph.D.

Academic and professional appointments: Professor, Director of the Center for Preventive Cardiology, William and Sonja Connor Chair of Preventive Cardiology
M.D.: University of Rome, Rome, Italy
Ph.D.: Experimental medicine, University of Siena, Siena, Italy and University of California, San Francisco, Calif.
Residency: Internal medicine, University of Rome, Italy
Fellowship: Metabolism, University of Rome, Italy and University of California, San Francisco, Calif.
Board certification: American Board of Clinical Lipidology (2005)
Patient care emphasis: Prevention of myocardial infarction and stroke; management of genetic and acquired metabolic disorders including diabetes, hypertension, gout, and dyslipidemia; cardiovascular risk assessment; alternative therapies for people unable to tolerate lipid drugs
Research interests: Clinical trials of novel medications for high cholesterol and triglycerides; identification of genetic and acquired causes of dyslipidemia; development of diagnostics for HDL

Maros Ferencik, M.D., Ph.D.

Academic appointment: Assistant Professor
M.D.: Comenius University, Bratislava, Slovakia
Ph.D.: Comenius University, Bratislava, Slovakia
Residencies: Internal medicine, University Hospital Bratislava-Petrzalka, Bratislava, Slovakia; internal medicine, Massachusetts General Hospital, Boston, Mass.
Fellowships: Cardiovascular medicine, advanced echocardiography, advanced cardiac imaging (CT and MR), Massachusetts General Hospital and Harvard Medical School, Boston, Mass.
Board certifications: Internal medicine (2009), cardiovascular disease (2012), American Board of Internal Medicine; American Board of Echocardiography (2013); Certification Board of Cardiovascular Computed Tomography (2010); American Board of Nuclear Cardiology (2012)
Patient care emphasis: General cardiology, cardio-oncology, cardiovascular imaging (CT and echocardiography)
Research interests: Cardiovascular computed tomography, atherosclerosis imaging, clinical trials in imaging

Jill M. Gelow, M.D., M.P.H.

Academic appointment: Assistant Professor
M.D.: Oregon Health & Science University, Portland, Ore.
Residency: Internal medicine, Brigham and Women's Hospital, Boston, Mass.
Fellowship: Cardiovascular medicine, Oregon Health & Science University, Portland, Ore.
Board certifications: Internal medicine (2007), cardiovascular disease (2010), advanced heart failure and transplant cardiology (2014), American Board of Internal Medicine
Patient care emphasis: Heart failure, cardiomyopathy, heart transplantation, ventricular assist devices
Research interests: Cognitive dysfunction in chronic heart failure, advanced heart failure therapies in adult congenital heart disease, ventricular assist devices

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Saurabh Gupta, M.D., F.A.C.C.

Academic and professional appointments: Associate Professor; Director of Cardiac Catheterization Laboratories; Co-Director of Complex Heart Valve Service; Program Director of Interventional Cardiology Fellowship

M.D.: University of Delhi, Delhi, India
Residency: Internal medicine, St. Luke’s-Roosevelt Hospital Center of the College of Physicians and Surgeons, Columbia University, New York, N.Y.

Fellowships: Cardiology, interventional cardiology, University of Utah School of Medicine, Salt Lake City, Utah
Board certifications: Cardiovascular disease (2007), interventional cardiology (2008), American Board of Internal Medicine; American Society of Nuclear Cardiology (2006)

Patient care emphasis: Interventional cardiology, high-risk PCI including rotational atherectomy and mechanical circulatory support, structural and valvular interventions (paravalvular closure, mitral and aortic valvuloplasty, trans-catheter mitral valve repair (MitraClip), transcatheter aortic valve replacement (TAVR)

Research interests: Clinical trial design and conduct, anti-platelet therapy (WNT signaling in platelets).
Dr. Gupta serves as the site principal investigator on several important multi center trials, including TAVR and MitraClip therapy, and is the national principal investigator for the U.S. pivotal trial for Biohelix bare metal stent

Virginia Hebl, M.D., M.S.

Academic appointment: Assistant Professor
M.D.: Mayo Medical School, Rochester, Minn.
Residency: Internal medicine, University of Minnesota, Minneapolis, Minn.

Fellowships: Cardiovascular disease; advanced heart failure and transplant, Mayo School of Graduate Medical Education, Rochester, Minn.
Board certifications: Internal medicine (2008), cardiovascular diseases (2014), American Board of Internal Medicine; National Board of Echocardiography (2014)

Patient care emphasis: Cardiovascular disease and advanced heart failure

Research interests: Systems biology and individualized medicine; pathophysiology and natural history of hypertrophic cardiomyopathy; clinical risk profiling in acute decompensated heart failure

Stephen Heitner, M.D.

Academic and professional appointment: Assistant Professor; Director of Echocardiography; Director of the Hypertrophic Cardiomyopathy Clinic
M.D.: University of the Witwatersrand, Johannesburg, South Africa
Residency: Internal medicine, Albert Einstein Medical Center, Philadelphia, Pa.

Fellowship: Cardiology, Cooper University Hospital, Camden, N.J.
Board certifications: Internal medicine (2007), cardiovascular disease (2011), American Board of Internal Medicine; American Board of Nuclear Cardiology (2010); American Board of Echocardiography (2010)

Patient care emphasis: General cardiology, hypertrophic cardiomyopathy, cardio-oncology, cardiac amyloidosis

Research interests: Cardiovascular imaging, structural heart disease, hypertrophic cardiomyopathy, and infiltrative cardiomyopathies (cardiac amyloidosis)
Charles Henrikson, M.D.

Academic and professional appointment: Associate Professor; Director of Electrophysiology
M.D.: Columbia University, New York, N.Y.
Residency: Internal medicine, Columbia-Presbyterian Medical Center, New York, N.Y.
Fellowships: Cardiology, clinical cardiac electrophysiology, Johns Hopkins Hospital, Baltimore, Md.
Board certifications: Cardiovascular disease (2004), clinical cardiovascular electrophysiology (2006), American Board of Internal Medicine
Patient care emphasis: Electrophysiology including catheter-based procedures such as ablation of supraventricular tachycardia, atrial fibrillation and ventricular tachycardia, including epicardial ablation; implantation of permanent pacemakers, implantable cardioverter-defibrillators, and cardiac resynchronization devices; laser lead extraction and left atrial appendage closure
Research interests: New techniques in ablation of atrial fibrillation, laser lead extraction, ablation of ventricular tachycardia, management of anticoagulation at time of device procedure, MRI in patients with pacemakers and implantable cardioverter-defibrillators

Enjae Jung, M.D.

Academic appointment: Assistant Professor
M.D.: Washington University School of Medicine, St. Louis, Mo.
Residency: General surgery, Washington University School of Medicine/Barnes-Jewish Hospital, St. Louis, Mo.
Fellowship: Surgery (2014), vascular surgery (2015), Washington University School of Medicine, St. Louis, Mo.
Board certification: Vascular surgery, American Board of Surgery
Patient care emphasis: Peripheral arterial disease, aneurysms of the thoracic and abdominal aorta including complex endovascular repair, carotid artery and extracranial, cerebrovascular disease, hemodialysis access, thoracic outlet syndrome
Research interests: Clinical outcomes of vascular diseases and interventions, surgical education for medical students and residents

Sanjiv Kaul, M.D., F.A.C.C., F.A.H.A., F.R.C.P.

Academic and professional appointments: Ernest C. Swigert Endowed Chair of Cardiovascular Medicine; Division Head of Cardiovascular Medicine; Associate Dean for Cardiovascular Medicine; Chief Executive Officer of the Knight Cardiovascular Institute
M.D.: University of Delhi, Delhi, India
Residency: Internal medicine, University of Vermont, Burlington, Vt.
Fellowships: Cardiology, University of California, Los Angeles, Calif.; research, Massachusetts General Hospital, Harvard Medical School, Boston, Mass.
Board certifications: Internal medicine (1980), cardiovascular disease (1982), American Board of Internal Medicine
Patient care emphasis: Coronary artery disease, preventive cardiology, diabetes and cardiovascular disease, imaging and cardiovascular disease
Research interests: Coronary physiology, pathophysiology, cardiovascular imaging

Abigail May Khan, M.D.

Academic appointment: Assistant Professor
M.D.: Harvard Medical School, Boston, Mass.
Residency: Medicine, Massachusetts General Hospital, Boston, Mass.
Fellowships: Research, Cardiology Division, Massachusetts General Hospital, Boston, Mass.; general cardiology, Hospital of the University of Pennsylvania, Philadelphia, Pa.; adult congenital heart disease, Hospital of the University of Pennsylvania/Children’s Hospital of Philadelphia, Philadelphia, Pa.
Board certifications: Internal medicine (2009), cardiovascular disease (2014), American Board of Internal Medicine
Patient care emphasis: Echocardiography, adult congenital heart disease, connective tissue disorders, cardiac disease in pregnancy
Research interests: Health care use and outcomes in adults with congenital heart disease, non-invasive imaging to predict outcomes in congenital heart disease

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Gregory James Landry, M.D.

**Academic appointment:** Associate Professor  
**M.D.:** University of Wisconsin, Madison, Wis.  
**Residency:** Surgery, Oregon Health & Science University, Portland, Ore.  
**Fellowship:** Vascular surgery, Oregon Health & Science University, Portland, Ore.  
**Board certifications:** Surgery (2007), vascular surgery (2008), American Board of Surgery  
**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud’s syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations  
**Research interests:** Functional and patient-centered outcomes of vascular diseases, clinical outcomes research, vascular imaging

Timothy Liem, M.D.

**Academic and professional appointment:** Associate Professor of Surgery; Vice-Chair for Quality, Department of Surgery  
**M.D.:** University of Southern California, Los Angeles, Calif.  
**Residencies:** General surgery, Kaiser Foundation Hospitals, Los Angeles, Calif.; vascular surgery, University of Missouri, Columbia, Mo.  
**Fellowship:** Vascular radiology, University of Missouri, Columbia, Mo.  
**Board certifications:** Surgery (2005), vascular surgery (2007), American Board of Surgery  
**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud’s syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations

Jonathan Lindner, M.D., F.A.S.E.

**Academic appointment:** M. Lowell Edwards Distinguished Professor  
**M.D.:** University of Texas Southwestern Medical School, Dallas, Texas  
**Residency:** Internal medicine, University of Texas Southwestern Medical School, Dallas, Texas  
**Fellowship:** Cardiovascular medicine, University of Virginia, Charlottesville, Va.  
**Board certifications:** Cardiovascular disease (2009), American Board of Internal Medicine; National Board of Echocardiography (1998)  
**Patient care emphasis:** General cardiology, coronary artery disease, valvular heart disease, inflammatory diseases affecting the heart, cardiovascular imaging  
**Research interests:** Mechanisms of atherosclerosis, molecular imaging, stem cell therapy for peripheral artery disease, gene delivery for cardiovascular disease, tissue blood flow in sickle cell disease, microvascular physiology

Robert McLafferty, M.D.

**Academic and professional appointments:** Professor of Surgery, Oregon Health & Science University; Chief of Surgery, Veterans Affairs Portland Health Care System; Co-Clinical Director, Operative Care Division, Veterans Affairs Portland Health Care System  
**M.D.:** University of Vermont, Burlington, Vt.  
**Residency:** General surgery, Oregon Health & Science University, Portland, Ore.  
**Fellowship:** Vascular surgery, Oregon Health & Science University, Portland, Ore.  
**Board certifications:** Surgery (2005), vascular surgery (2007), American Board of Surgery; American Registry for Diagnostic Medical Sonography, Registered Vascular Technologist (2003)  
**Patient care emphasis:** Medical, less-invasive catheter-based (endovascular), and surgical care of arterial and venous problems, dialysis access, wound care  
**Research interests:** Peripheral artery disease, dialysis access, amputation natural history, acute and chronic venous disease, complications and outcomes

To refer a patient for a consult, call:  
**800 245-6478**
Erica Mitchell, M.D., F.A.C.S.

**Academic and professional appointments:** Associate Professor of Surgery; Co-Director Simulation at OHSU; Program Director of Vascular Surgery

**M.D.:** University of Colorado School of Medicine, Denver, Colo.

**Residency:** General surgery, University of Colorado Health Sciences Center, Denver, Colo.

**Fellowships:** Vascular and endovascular surgery, Oregon Health & Science University, Portland, Ore.; interventional radiology, University of Colorado Health Sciences Center, Denver, Colo.

**Board certifications:** Surgery (2004), vascular surgery (2007), American Board of Surgery

**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud’s syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations

**Research interests:** Surgical education and simulation in medical education

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Gregory L. Moneta, M.D.

**Academic and professional appointment:** Professor; Division Head of Vascular Surgery

**M.D.:** Harvard University School of Medicine, Boston, Mass.

**Residency:** Surgery, University of Washington, Seattle, Wash.

**Fellowship:** Vascular surgery, University of Washington, Seattle, Wash.

**Board certifications:** Surgery (2006), vascular surgery (2008), American Board of Surgery

**Patient care emphasis:** Entire spectrum of arterial, venous and lymphatic disorders including disease of the carotid artery and extracranial cerebrovascular system, aneurysms of the thoracic and abdominal aorta, diseases affecting the intestinal and kidney arteries and veins, diseases affecting the upper and lower extremity arteries and veins including patients with Raynaud’s syndrome and those requiring vascular access for hemodialysis as well as patients with varicose veins, venous thrombosis, lymphedema and vascular malformations

**Research interests:** Noninvasive diagnosis of vascular disease

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James Mudd, M.D.

**Academic and professional appointment:** Assistant Professor; Director of Advanced Heart Failure and Transplant Program

**M.D.:** University of Washington, Seattle, Wash.

**Residency:** Internal medicine, Johns Hopkins Hospital, Baltimore, Md.

**Fellowship:** Cardiovascular medicine, Johns Hopkins Hospital, Baltimore, Md.

**Board certifications:** Internal medicine (2004), cardiovascular disease (2007), advanced heart failure and transplant cardiology (2012), American Board of Internal Medicine

**Patient care emphasis:** Advanced heart failure, cardiomyopathy, ventricular assist devices, heart transplantation

**Research interests:** Right heart failure, ventricular assist devices, symptom management in chronic heart failure

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Edward Murphy, M.D.

**Academic appointment:** Professor

**M.D.:** University of Chicago Pritzker School of Medicine, Chicago, Ill.

**Residency:** Internal medicine, University of Chicago, Chicago, Ill.

**Fellowship:** Cardiovascular disease, Oregon Health & Science University, Portland, Ore.

**Board certifications:** Internal medicine (1974), cardiovascular disease (1977), American Board of Internal Medicine

**Patient care emphasis:** Cardiology, general cardiology

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Jonathan Q. Purnell, M.D.

Academic appointment: Professor
M.D.: Oregon Health & Science University, Portland, Ore.
Residency: University of Vermont, Burlington, Vt.
Fellowship: Endocrinology, University of Washington, Seattle, Wash.
Board certifications: Internal medicine (1989), endocrinology (1997), American Board of Internal Medicine
Patient care emphasis: Cardiology, endocrinology and diabetes, metabolism, obesity and hyperlipidemia
Research interests: Preventive cardiology

Victor Rodriguez, M.D.

Academic appointment: Associate Professor
M.D.: University of California Davis School of Medicine, Davis, Calif.
Residency: General surgery, U.C. Davis Medical Center, Sacramento, Calif.
Fellowships: Cardiothoracic surgery, Texas Heart Institute / Baylor College of Medicine, Houston, Texas; vascular surgery, University of Wisconsin Hospital and Clinics, Madison, Wis.
Board certifications: Surgery (2010), vascular surgery (2014), American Board of Surgery
Patient care emphasis: Complex aortic reconstructions, valvular heart disease, coronary bypass surgery and endovascular surgery, complex aortic reconstructions and endovascular aortic repairs

Daniel Sedehi, M.D.

Academic appointment: Assistant Professor
M.D.: Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pa.
Residency: Internal medicine, Stanford University, Stanford, Calif.
Fellowships: Critical care medicine, Stanford University, Stanford, Calif.; cardiovascular medicine, Cleveland Clinic, Cleveland, Ohio
Board certifications: Internal medicine (2009), cardiovascular disease (2014), American Board of Internal Medicine
Patient care emphasis: Critical care cardiology
Research interests: Acute myocardial infarction treatments, medical education, valvular heart disease and acute aortic disease

Shimoli Shah, M.D.

Academic appointment: Assistant Professor
M.D.: New York University School of Medicine, New York, N.Y.
Residency: Internal medicine, Massachusetts General Hospital, Harvard Medical School, Boston, Mass.
Fellowships: General medical sciences clinical research, Washington University School of Medicine, St. Louis, Mo.; cardiology, Washington University School of Medicine, St. Louis, Mo.
Board certifications: Internal medicine (2009), cardiovascular disease (2013), American Board of Internal Medicine; American Board of Echocardiography (2013)
Patient care emphasis: Primary and secondary prevention of coronary disease, management of high cholesterol, high blood pressure, rhythm abnormalities, women’s cardiovascular care and echocardiography
Research interests: Quality improvement and outcomes research

To refer a patient for a consult, call:
800 245-6478
Michael Shapiro, D.O., F.A.C.C.

**Academic and professional appointments:** Assistant Professor; Director of Cardiac MRI and CT; Director of Cardiac Rehabilitation

**D.O.:** University of Medicine and Dentistry of New Jersey, Stratford, N.J.

**Residency:** Internal medicine, Beth Israel Medical Center, The Albert Einstein College of Medicine, New York, N.Y.

**Fellowships:** Cardiology, Beth Israel Medical Center, The Albert Einstein College of Medicine, New York, N.Y.; Cardiovascular Imaging - Massachusetts General Hospital, Harvard Medical School, Boston, Mass.

**Board certifications:** Internal medicine (2001), cardiovascular disease (2005), American Board of Internal Medicine; National Board of Echocardiography (2005); Certification Board of Nuclear Cardiology (2006); Certification Boards of Cardiovascular Computed Tomography (2008); American Board of Clinical Lipidology (2010)

**Patient care emphasis:** Lipid disorders, preventive cardiology

**Research interests:** Atherosclerosis imaging, coronary artery disease

Howard Song, M.D., Ph.D.

**Academic and professional appointment:** Professor; Chief of Division of Cardiothoracic Surgery

**M.D.:** Stanford University, Stanford, Calif.

**Ph.D.:** University of Pennsylvania Biomedical Graduate Studies, Philadelphia, Pa.

**Residency:** General surgery, University of Pennsylvania, Philadelphia, Pa.

**Fellowship:** Cardiothoracic surgery, Emory University, Atlanta, Ga.

**Board certifications:** Surgery (2012), American Board of Surgery; American Board of Thoracic Surgery (2003)

**Patient care emphasis:** Complex valvular heart disease, transcatheter aortic valve replacement (TAVR), mitral valve repair, valve replacement, minimally invasive cardiac surgery, coronary artery bypass surgery, aortic aneurysm surgery, valve-sparing aortic root replacement, arterial revascularization, ventricular assist devices, heart transplantation

**Research interests:** Aortic aneurysms, bioengineering, cardiac surgery outcomes

Eric Stecker, M.D.

**Academic appointment:** Assistant Professor

**M.D.:** University of Wisconsin Medical School, Madison, Wis.

**Residency:** Internal medicine, Oregon Health & Science University, Portland, Ore.

**Fellowships:** General internal medicine, University of Michigan, Ann Arbor, Mich.; cardiovascular disease, clinical cardiac electrophysiology, Oregon Health & Science University, Portland, Ore.

**Board certifications:** Cardiovascular disease (2006), clinical cardiac electrophysiology (2008), American Board of Internal Medicine

**Patient care emphasis:** Heart rhythm disorders, radiofrequency catheter ablation procedures and device implantation

**Research interests:** Sudden cardiac death

Frederick Tibayan, M.D.

**Academic appointment:** Associate Professor

**M.D.:** Harvard Medical School, Cambridge, Mass.

**Residency:** General surgery, Stanford University Hospital, Stanford, Calif.

**Fellowship:** Cardiothoracic surgery, Stanford University, Stanford, Calif.

**Board certification:** Surgery (2007), American Board of Surgery

**Patient care emphasis:** Complex valvular heart disease, transcatheter aortic valve replacement (TAVR), mitral valve repair, valve replacement, minimally invasive cardiac surgery, coronary artery bypass surgery, aortic aneurysm surgery, valve sparing aortic root replacement, arterial revascularization, ventricular assist devices, heart transplantation

**Research interests:** Mechanisms of heart valve dysfunction and repair

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Yen Tibayan, M.D.

**Academic appointment:** Assistant Professor

**M.D.:** Harvard Medical School, Boston, Mass.

**Residency:** Internal medicine, Stanford University, Stanford, Calif.

**Fellowships:** Cardiology; interventional cardiology, Stanford University, Stanford, Calif.

**Board certifications:** Internal medicine (2003), cardiovascular disease (2006), interventional cardiology (2008), American Board of Internal Medicine

**Patient care emphasis:** Interventional cardiology

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PeaceHealth St. John Medical Center, Longview, Washington

Shaun Ageno, M.D.

**Academic appointment:** Assistant Professor

**M.D.:** New York University, New York, N.Y.

**Residency:** Internal medicine, Cornell Medical Center, New York, N.Y.

**Fellowship:** Cardiovascular medicine, cardiac electrophysiology, Oregon Health & Science University, Portland, Ore.

**Board certifications:** Internal medicine (2007), cardiovascular disease (2010), clinical cardiac electrophysiology (2011), American Board of Internal Medicine

**Patient care emphasis:** Clinical cardiac electrophysiology

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Allan Harrelson, D.O., Ph.D.

**Academic appointment:** Assistant Professor

**D.O.:** Kirksville College of Osteopathic Medicine, Kirksville, Mo.

**Ph.D.:** The Rockefeller University, New York, N.Y.

**Residency:** Internal medicine, University of Iowa Hospitals and Clinics, Iowa City, Iowa

**Fellowship:** Cardiology, University of Cincinnati, Cincinnati, Ohio

**Board certification:** Internal medicine (2009), American Board of Internal Medicine

**Patient care emphasis:** Adult cardiology including echocardiography and cardiac imaging, adult congenital heart disease

**Research interests:** Cardiac progenitor cells in animal and in vitro models of cardiac repair and regeneration

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James Suero, M.D.

**Academic appointment:** Assistant Professor

**M.D.:** University of Kansas Medical Center, Kansas City, Kan.

**Residency:** Internal medicine, University of California, San Diego, San Diego, Calif.

**Fellowships:** Cardiology, University of Washington, Seattle, Wash.; interventional cardiology and peripheral vascular intervention, Mid America Heart Institute, Kansas City, Mo.

**Board certifications:** Cardiovascular disease (2001), interventional cardiology (2005), American Board of Internal Medicine

**Patient care emphasis:** Interventional cardiology

**Research interests:** Percutaneous coronary intervention (PCTA), rotational atherectomy, IVUS, peripheral vascular intervention, transesophageal echocardiograph and nuclear cardiology
PeaceHealth St. John Medical Center, Vancouver, Washington

Robert DuBose, M.D.

Academic appointment: Assistant Professor
M.D.: University of North Carolina School of Medicine, Chapel Hill, N.C.
Residencies: Thoracic surgery, Vanderbilt University Medical Center, Nashville, Tenn.; general surgery, University of Washington Affiliated Hospitals, Seattle, Wash.
Board certification: Surgery (2005), American Board of Surgery, American Board of Thoracic Surgery
Patient care emphasis: Cardiovascular surgery, heart surgery, mitral valve repairs and replacements, minimally invasive mitral and aortic valve surgery, aortic surgery, coronary artery bypass surgery

Columbia Memorial Hospital, Astoria, Oregon

Khidir Dalouk, M.D., M.R.C.P.

Academic appointment: Assistant Professor
M.D.: University of Khartoum, Sudan
Residency: Internal Medicine, MetroHealth Medical Centre, Case Western Reserve University, Cleveland, Ohio
Fellowships: Cardiology and clinical electrophysiology, Oregon Health & Science University, Portland, Ore.
Board certifications: Internal medicine (2010), cardiovascular disease (2014), American Board of Internal Medicine
Patient care emphasis: General cardiology, electrophysiology

Diana Rinkevich, M.D., F.A.C.C.

Academic and professional appointment: Associate Professor; Medical Director
M.D.: University of Buenos Aires, Argentina
Residencies: Rambam Medical Center, Technion University, Haifa, Israel; Jackson Memorial Hospital, Miller University, Miami, Fla.
Fellowship: Rambam Medical Center, Technion University, Haifa, Israel
Board certifications: National Board of Echocardiography (2004); internal medicine (2006), cardiovascular disease (2010), American Board of Internal Medicine
Patient care emphasis: General cardiology, heart disease in women, echocardiography
Research interests: Coronary microcirculation

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Mid-Columbia Medical Center, The Dalles, Oregon

Bassel Beitinjaneh, M.D.
Academic appointment: Assistant Professor
M.D.: University of Damascus, Syria
Residency: Saint Louis University, St. Louis, Mo.
Fellowships: Heart failure and transplant, cardiovascular disease and clinical electrophysiology medicine, Oregon Health & Science University, Portland, Ore.
Board certifications: National Board of Echocardiography (2013); internal medicine (2008), cardiovascular disease (2014), American Board of Internal Medicine
Patient care emphasis: General cardiology, electrophysiology

David Guarraia, M.D., M.S., F.A.C.C.
Academic appointment: Assistant Professor
M.D.: St. George’s University, Grenada, West Indies
Residency: Internal medicine, University of Arizona, Tucson, Ariz.
Fellowship: Cardiovascular disease, Oregon Health & Science University, Portland, Ore.
Board certifications: Internal medicine (2006), nuclear cardiology (2009), cardiovascular disease (2010), American Board of Internal Medicine
Patient care emphasis: General cardiology

Kevin Wei, M.D., F.A.C.C.
Academic appointment: Professor
M.D.: University of Toronto, Canada
Residency: University of Toronto, Canada
Fellowships: University of Toronto, Canada; University of Virginia, Charlottesville, Va.
Board certifications: Cardiovascular disease (2007), American Board of Internal Medicine
Patient care emphasis: General cardiology, echocardiography
Research interests: Contrast echocardiography

To refer a patient for a consult, call:

800 245-6478
OHSU LOCATIONS

- Marquam Hill
  3181 S.W. Sam Jackson Park Rd.
  Portland, OR 97239
  503 494-1775

- South Waterfront Center for Health & Healing
  3303 S.W. Bond Ave.
  9th Floor
  Portland, OR 97239
  503 494-1775

- Beaverton Cardiology Clinic
  15700 S.W. Greystone Ct.
  Beaverton, OR 97006
  503 494-1775

COMMUNITY COLLABORATIONS

- Longview, Washington
  PeaceHealth St. John Medical Center
  1615 Delaware St.
  Longview, WA 98632
  360 414-2000

- Vancouver, Washington
  PeaceHealth Southwest Medical Center
  400 N.E. Mother Joseph Pl.
  Vancouver, WA 98664
  360 514-2000

- Astoria, Oregon
  Columbia Memorial Hospital
  2095 Exchange St., Ste. 301
  Astoria, OR 97103
  503 338-4087

- The Dalles, Oregon
  Mid-Columbia Medical Center
  551 Lone Pine Blvd., Ste. 303
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