

### Healthwise Medical Review Board

The Medical Review Board is directed by our chief medical officer, Dr. Steven L. Schneider, and our medical director, Dr. Adam C. Husney; both are board-certified family medicine physicians. There are eight board-certified associate medical directors. Together, these ten physicians conduct initial and final reviews of all Healthwise<sup>®</sup> Knowledgebase topics written by Healthwise, and they are involved in the planning and updating of all Healthwise publications and products.

**Chief Medical Officer: Steven L. Schneider**, MD, Family Medicine; Physician, Primary Health Wellness Center, Boise, ID

**Medical Director: Adam C. Husney**, MD, Family Medicine; Physician, Boise Minor Emergency Center, PA, Boise, ID

#### Associate Medical Directors:

- **Patrice Burgess**, MD, Family Medicine; Assistant Clinical Professor, University of Washington, Family Practice Residency of Idaho, Boise, ID
- **Renée M. Crichlow**, MD, Family Medicine; Assistant Clinical Professor, University of Washington, Montana Family Practice Residency, Billings, MT
- **Martin J. Gabica**, MD, Family Medicine; Physician, Primary Health Wellness Center, Boise, ID
- **William M. Green**, MD, Emergency Medicine; Medical Director, Sexual Assault Forensic Evaluation Team and Clinical Professor, Department of Internal Medicine, Division of Emergency Medicine, University of California Davis Medical Center, Sacramento, CA
- **Joy Melnikow**, MD, MPH, Family Medicine; Associate Professor, Department of Family Practice, University of California Davis, Sacramento, CA
- **Caroline S. Rhoads**, MD, Internal Medicine; Associate Professor of Medicine, University of Washington, Seattle, WA
- **Kathleen Romito**, MD, Family Medicine; Physician, Primary Health Wellness Center, Boise, ID
- **Michael J. Sexton**, MD, Pediatrics; Medical Director, CARES Program, St. Luke's Children's Hospital, Boise, ID; Associate Clinical Professor, Family Medicine, University of Washington School of Medicine, Seattle, WA

Other members of the Medical Review Board review Knowledgebase topics from the specialist's point of view. With the input of these specialists, Healthwise medical writers develop topics based on scientific evidence and current clinical practice.

Members of the Medical Review Board are experts in their specialty area. Their credentials include board certification, academic appointments at the nation's leading medical schools, active involvement in research, and publication in peer-reviewed journals and medical textbooks. Most important, they share the Healthwise commitment to empowering patients with reliable health information and building strong patient-provider relationships; this encourages partnerships in the decision-making process.

The following physicians and health professionals have been selected for the Medical Review Board:

### **Addiction Medicine**

**Enoch Gordis**, MD, Addiction Medicine

Director Emeritus, National Institute on Alcohol Abuse and Alcoholism; National Institutes of Health, Bethesda, MD

### **Allergy and Immunology**

**Harold S. Nelson**, MD, Allergy and Immunology

Senior Staff Physician, National Jewish Medical and Research Center; Professor of Medicine, University of Colorado; Chairman, Pulmonary Disease Advisory Panel, Denver, CO

### **Anesthesiology, Pain Management**

**Daniel B. Carr**, MD, Anesthesiology, Pain Management

Saltonstall Professor of Pain Research, Departments of Anesthesia and Medicine, New England Medical Center, Boston, MA

### **Cardiology**

**Stephen Fort**, MD, MRCP, FRCPC, Interventional Cardiology

Associate Professor and Director, Cardiac Catheterization Laboratories, Dalhousie University and Queen Elizabeth II Health Sciences Centre, Halifax, NS

**Julien I. E. Hoffman**, MD, Pediatric Cardiology

Professor Emeritus of Pediatrics, Cardiovascular Research Institute, University of California, San Francisco, CA

**Robert A. Kloner**, MD, PhD, Cardiology

Professor of Medicine, Section of Cardiology, University of Southern California, Los Angeles; Director of Research, The Heart Institute of Good Samaritan Hospital, Los Angeles, CA

**Larry A. Latson**, MD, Pediatric Cardiology and Critical Care

Pediatric Cardiology Medical Director, Department of Pediatric and Congenital Heart Diseases, The Cleveland Clinic Foundation, Cleveland, OH

**Neil J. Stone**, MD, FACC, FACP, Cardiology

Clinical Professor of Medicine, Northwestern University Medical School; Attending Staff, Northwestern Memorial Hospital, Chicago, IL

**Laurence M. Epstein**, MD, Cardiac Electrophysiology

Brigham and Women's Hospital, Cardiovascular Division; Assistant Professor of Medicine, Harvard Medical School, Boston, MA

### **Complementary and Alternative Medicine**

**Marc S. Micozzi**, MD, Complementary and Alternative Medicine

Policy Institute for Integrative Medicine, Thomas Jefferson University Hospital, Philadelphia, PA

### **Dentistry**

**Arden G. Christen**, DDS, MSD, MA, FACD, Dentistry

Professor and Director of Preventive/Community Dentistry, Department of Oral Biology, Indiana University School of Dentistry, Indianapolis, IN

**Steven K. Patterson**, BSc, DDS, MPH, Dentistry

Faculty and Director of Continuing Dental Education, Department of Dentistry, University of Alberta, Edmonton, AB

## **Dermatology**

**Randall D. Burr**, MD, Dermatology

Associate Faculty, University of Washington Medical School, Seattle, WA; Consultant, VA Medical Center and Family Practice Residency Program; Ada West Dermatology, Boise, ID

## **Diet and Nutrition**

**Ruth Schneider**, RD, MPH, Dietitian

Dietetic Internship Coordinator and Clinical Assistant Professor, Idaho State University; Private Practice, Boise; Adjunct Instructor, Boise State University, Boise, ID

## **Emergency Medicine**

**William M. Green**, MD, Emergency Medicine

Associate Medical Director, Healthwise, Incorporated; Medical Director, Sexual Assault Forensic Evaluation Team and Clinical Professor, Department of Internal Medicine, Division of Emergency Medicine, University of California Davis Medical Center, Sacramento, CA

**H. Michael O' Connor**, MD, Emergency Medicine

Chairman and Professor, Department of Emergency Medicine, Queen's University, Kingston, ON

## **Endocrinology and Metabolism**

**Alan C. Dalkin**, MD, Endocrinology and Metabolism

Associate Professor of Internal Medicine, Division of Endocrinology and Metabolism, University of Virginia Health Sciences, Charlottesville, VA

**Lois Jovanovic**, MD, Endocrinology and Metabolism

Director, Sansum Medical Research Institute; Clinical Professor of Medicine, University of Southern California, Santa Barbara, CA

**Stephen H. LaFranchi**, MD, Pediatric Endocrinology

Director, Pediatric Endocrinology Training Program; Head, Pediatric Endocrinology Division; Associate Chair for Education Professor, Oregon Health and Science University, Portland, OR

## **Family Medicine**

**Thomas M. Bailey**, MD, Family Medicine

Clinical Assistant Professor, Department of Family Practice, University of British Columbia, Victoria, BC

**Patrice Burgess**, MD, Family Medicine

Associate Medical Director, Healthwise, Incorporated; Clinical Assistant Professor, University of Washington, Family Practice Residency of Idaho, Boise, ID

**Renée M. Crichlow**, MD, Family Medicine

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**Martin J. Gabica**, MD, Family Medicine

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**Adam C. Husney**, MD, Family Medicine

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**Joy Melnikow**, MD, MPH, Family Medicine

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**Kathleen Romito**, MD, Family Medicine

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**Steven L. Schneider**, MD, Family Medicine

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**David S. Smith**, MD, Family Medicine

Assistant Professor, Family/Community Medicine, Medical College of Wisconsin; Director, Family Practice Residency Program, St. Michael Hospital; Medical Director, Down Syndrome Clinic of Wisconsin, Milwaukee, WI

### **Gastroenterology**

**Paul E. Hyman**, MD, Pediatric Gastroenterology

Professor of Pediatrics and Chief, Pediatric Gastroenterology, Kansas University Medical Center, Kansas City, KS

**Peter J. Kahrilas**, MD, Gastroenterology

Professor, Division of Gastroenterology and Hepatology, Department of Medicine, Northwestern University School of Medicine, Chicago, IL

**W. Thomas London**, MD, Hepatology

Senior Member, Division of Population Science and Director, Liver Cancer Prevention Center, Fox Chase Cancer Center; Senior Member and Adjunct Scholar, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania School of Medicine, Philadelphia, PA

**Jerome B. Simon**, MD, Gastroenterology

Professor, Department of Medicine, Queen's University, Kingston, ON

**Jerry S. Trier**, MD, Gastroenterology

Professor Emeritus, Harvard Medical School, Boston, MA

**Arvydas D. Vanagunas**, MD, Gastroenterology

Associate Professor of Medicine, Northwestern University School of Medicine, Chicago, IL

### **Genetics**

**John B. Moeschler**, MD, Genetics, Pediatric

Director, Clinical Genetics, Department of Pediatrics, Dartmouth-Hitchcock Medical Center, Lebanon, NH

**Renée H. Martin**, PhD, FCCMG, Medical Genetics

Professor, Department of Medical Genetics, University of Calgary, Calgary, AB

### **Gerontology**

**Carla J. Herman**, MD, Gerontology

Associate Professor of Medicine, Chief, Division of Gerontology, and Member, Epidemiology and Preventive Medicine, University of New Mexico, Albuquerque, NM

### **Hematology**

**Christopher T. Coughlin**, MD, Hematology/Oncology, Radiation Oncology

Radiation Oncologist, Dartmouth-Hitchcock Medical Center; Professor of Medicine, Dartmouth Medical School, Lebanon, NH

**Jeffrey S. Ginsberg**, MD, Hematology

Professor, McMaster University, Department of Medicine, Hamilton, ON

**Joseph O'Donnell, MD, Hematology/Oncology**  
Chief, Oncology Section, Veterans Affairs Medical Center, White River Junction, VT; Senior Advising Dean and Director of Community Programs, Dartmouth Medical School, Hanover, NH

### **Infectious Diseases**

**W. David Colby, MSc, MD, FRCPC, Infectious Disease**  
Associate Professor, Department of Microbiology and Immunology and the Department of Medicine, University of Western Ontario; Director, University Hospital Travel Medicine and Tropical Diseases Service, London, ON

**Christine Hahn, MD, Infectious Disease, Medical Epidemiology**  
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**Jeanne MARRAZZO, MD, MPH, Infectious Disease, STD/HIV Prevention Epidemiology**  
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**Peter Shalit, MD, PhD, Internal Medicine (HIV/AIDS)**  
Clinical Assistant Professor of Medicine, Division of Allergy and Infectious Diseases, University of Washington; Attending Physician, AIDS Clinic, Harborview Medical Center, Seattle, WA

**Stanford T. Shulman, MD, Pediatric Infectious Diseases**  
Professor of Pediatrics, Northwestern University Medical School, and Chief, Division of Infectious Diseases, Children's Memorial Hospital, Chicago, IL

**Marvin Turck, MD, Infectious Disease**  
Professor of Medicine, University of Washington; Chief Editor, *The Journal of Infectious Diseases*, Seattle, WA

### **Internal Medicine**

**Henry S. Elzinga, MD, Internal Medicine**  
VA Medical Center, Boise, ID

**Caroline S. Rhoads, MD, Internal Medicine**  
Associate Medical Director, Healthwise, Incorporated; Associate Professor of Medicine, University of Washington, Seattle, WA

### **Maternal-Fetal Medicine**

**Gregory A.L. Davies, MD, FRCSC, FACOG, Maternal-Fetal Medicine**  
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**William M. Gilbert, MD, Maternal-Fetal Medicine**  
Professor and Vice Chairman, Department of Obstetrics and Gynecology, and Fellowship Director, Maternal-Fetal Medicine Program, University of California Davis, Sacramento, CA

### **Neurology**

**David N. Alexander, MD, Neurology**  
Director, Stroke Rehabilitation Service, Daniel Freeman Memorial Hospital; Associate Clinical Professor, Neurology, University of California, Los Angeles School of Medicine, Los Angeles, CA

**Colin Chalk, MD, CM, FRCPC, Neurology**  
Associate Professor, Department of Neurology and Neurosurgery, McGill University, Montreal, QC

**Seymour Diamond, MD, Headaches**  
Director, Diamond Headache Clinic; Director, Inpatient Headache Unit, Columbus Hospital; Adjunct Professor, Chicago Medical School; Editor-in-Chief, *Headache Quarterly*, Chicago, IL

**Tracy A. Glauser, MD, Pediatric Neurology**  
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**Barrie J. Hurwitz, MD, Neurology**  
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**Peter J. Whitehouse, MD, PhD, Neurology**  
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**G. Frederick Wooten, MD, Neurology**  
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### **Obstetrics/Gynecology**

**Ross S. Berkowitz, MD, Obstetrics/Gynecology, Gynecologic Oncology**  
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**Robert A. Hatcher, MD, MPH, Obstetrics and Family Planning**  
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**Kirtly Jones, MD, Obstetrics/Gynecology, Reproductive Endocrinology**  
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**Deborah A. Penava, MD, FRCSC, Obstetrics/Gynaecology**  
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**George F. Sawaya, MD, Obstetrics, Gynecology and Reproductive Sciences**  
Assistant Professor in Residence, Department of Obstetrics, Gynecology, and Reproductive Sciences,  
University of California, San Francisco, CA

**Stephen D. Smith, MD, FACOG, Obstetrics/Gynecology**  
Private Practice, Missoula, MT

### **Oncology**

**B. J. Kennedy, MD, MACP, Medical Oncology**  
Healthwise is grateful for many years of excellent reviews by Dr. Kennedy prior to his death in 2003. Dr.  
Kennedy was Regents' Professor of Medicine, Emeritus, and Masonic Professor of Oncology, Emeritus,  
at the University of Minnesota School of Medicine, Division of Oncology, Minneapolis, MN.

**Paul Montgomery, MD, Hematology/Oncology**  
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### **Ophthalmology**

**Ian MacDonald, MD, CM, CCFP, Ophthalmology**  
Professor and Chair, Department of Ophthalmology, University of Alberta, Edmonton, AB

**Scott H. Pressman, MD, Pediatric Ophthalmology**  
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## **Orthodontics**

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## **Orthopaedics**

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## **Otolaryngology**

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## **Palliative Medicine**

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## **Pediatrics**

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**Michael J. Sexton**, MD, Pediatrics

Associate Medical Director, Healthwise, Incorporated; Medical Director, CARES Program, St. Luke's Children's Hospital, Boise, ID; Associate Clinical Professor, Family Medicine, University of Washington School of Medicine, Seattle, WA

## **Podiatry**

**Barry Scurran**, DPM, Podiatry and Podiatric Surgery

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## Psychiatry

**W. Stewart Agras, MD, FRCPC, Psychiatry (Eating Disorders)**

Professor and Associate Chair, Department of Psychiatry, Stanford University School of Medicine, Stanford, CA

**Malin Clark, MD, FRCPC, Adolescent Psychiatry**

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**John R. Hughes, MD, Addiction Psychiatry**

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**Douglas G. Jacobs, MD, Psychiatry**

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Private practice specializing in Psychopharmacology and Perinatal Psychiatry, Mount Kisco, NY

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Professor of Psychiatry, University of California, San Diego, CA

## Pulmonology

**Robert L. Cowie, MB, ChB, MD, MSc, FCP[SA], MFOM, Respiratory Medicine**

Professor, University of Calgary Departments of Medicine and Community Health Sciences; Director of Tuberculosis Services, Calgary Health Region; Director, Calgary COPD and Asthma Program, Calgary, AB

**Susanna A. McColley, MD, Pediatric Pulmonology**

Director, Cystic Fibrosis Center, Division of Pediatric Pulmonary and Critical Care Medicine, The Children's Memorial Center, Chicago, IL

**Lee B. Reichman, MD, MPH, Pulmonology**

Executive Director, New Jersey Medical School National Tuberculosis Center, and Professor of Medicine, Preventive Medicine and Community Health, New Jersey Medical School, Newark, NJ

**R. Steven Tharratt, MD, FACP, FCCP, Pulmonology, Critical Care Medicine**

Associate Professor of Medicine; Chief of Clinical Pharmacology and Medical Toxicology, Division of Pulmonary and Critical Care Medicine; Medical Director, Respiratory Care Department, University of California Davis Medical Center, Sacramento, CA

**Ken Y. Yoneda, MD, Pulmonology, Critical Care Medicine**

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## Radiology

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Radiology Group, St. Alphonsus Regional Medical Center, Boise, ID

## **Rheumatology**

**Stanford M. Shoor**, MD, Rheumatology

Internist and Chief of Professional Education, Kaiser Foundation Hospital, Santa Clara, CA; Clinical Associate Professor of Medicine (Immunology), Stanford University, Stanford, CA

## **Stress Management**

**Paul J. Rosch**, MD, Stress Management, Cardiovascular Disease

Clinical Professor of Medicine and Psychiatry, New York Medical College; President, American Institute of Stress, New York, NY

## **Surgery**

**Brent T. Shoji**, MD, General Surgery

Assistant Professor of Surgery, Harvard Medical School; Chief of General Surgery, Harvard Vanguard Medical Associates, Boston, MA

**Brad W. Warner**, MD, Pediatric Surgery/Critical Care

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## **Urology**

**Peter Anderson**, MD, FRCS(C), Pediatric Urology

Professor of Urology and Director of the Residency Training Program, Dalhousie University; Professor of Urology, Queen Elizabeth II Health Sciences Centre, Halifax, NS

**Philip Belitsky**, MD, Urology

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**Christopher E. Kelly**, MD, Urology/Female Urology

Assistant Professor of Urology, New York University School of Medicine, New York, NY

**Andrew R. McCullough**, MD, FACS, Urology

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**J. Curtis Nickel**, MD, FRCSC, Urology

Professor, Department of Urology, Queen's University; Staff Urologist, Department of Urology, Kingston General and Hotel Dieu Hospitals, Kingston, ON

**Avery L. Seifert**, MD, Urology

Private practice, Boise, ID; Clinical Instructor, University of Washington School of Medicine, Seattle, WA

## **Vascular Surgery**

**Frederick F. Bartlett**, MD, Vascular Surgery

Clinical Instructor, Harvard Medical School; Associate Chief, General/Vascular Surgery, Mt. Auburn-Based Health Centers and Harvard Community Health Plan, Boston, MA