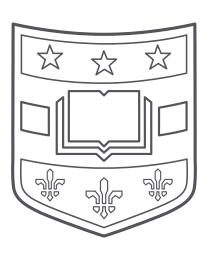


COMMENCEMENT RECOGNITION CEREMONY

MAY 15, 2023





WASHINGTON UNIVERSITY • ST. LOUIS, MISSOURI • MAY 15, 2023

PRELUDE The Four Humours String Quartet

Steven Cheng, MD

Violin

Professor of Medicine

Allison Kao

Violin

MD, PhD Candidate

Clara Kao

Cello

MD, PhD Candidate

Debanjan Saha

Viola

MD, PhD Candidate

ACADEMIC PROCESSIONAL John Ford Highland Bagpipe Band

WELCOME David H. Perlmutter, MD

Executive Vice Chancellor for Medical Affairs Spencer T. and Ann W. Olin Distinguished

Professor

George and Carol Bauer Endowed Dean,

School of Medicine

KEYNOTE ADDRESS Anthony Fauci, MD

Former Director, National Institute of Allergy

and Infectious Diseases (NIAID)
National Institutes of Health (NIH)

PRESENTATION OF TEACHER

OF THE YEAR AWARDS

Sarah Cohen, MD, MPH

Class of 2023

PRE-CLINICAL TEACHER OF THE YEAR Steve

Steven Cheng, MD

Professor of Medicine

SYDNEY S. PEARL, MD '32, CLINICAL

TEACHER OF THE YEAR

Tammy Sonn, MD

Professor of Obstetrics and Gynecology

DEAN'S REMARKS

David H. Perlmutter, MD

CLASS PRESIDENT'S REMARKS

Jennifer Lee, MD President, Class of 2023

PRESENTATION AND HOODING OF DOCTORS

Lisa M. Moscoso, MD, PhDAssociate Dean for Student Affairs

Professor of Pediatrics

David H. Perlmutter, MD

Michael Donlan, PhD

Assistant Dean for Academic Affairs

Registrar

DECLARATION OF GENEVA Eva M. Aagaard, MD

Carol B. and Jerome T. Loeb Professor of

Medical Education

Senior Associate Dean and Vice Chancellor

for Medical Education Professor of Medicine

RECESSIONAL

Doctor of Medicine and Doctor of Philosophy Degrees

Erica Barnell

Deferring Residency Chief Science Officer, Geneoscopy

Lindsey Brier

Psychiatry/Research Track (EPSP) Hospital of the University of Pennsylvania Philadelphia, Pennsylvania

Lauren Broestl

Neurology University of California San Francisco San Francisco, California

Rita Chen

Dermatology/Physician Scientist Barnes-Jewish Hospital St. Louis, Missouri

Robert Chen

Psychiatry/Research Track University of Washington Affiliated Hospitals Seattle, Washington

Christopher Chermside-Scabbo

Orthopaedic Surgery University of Minnesota Medical School Minneapolis, Minnesota

Alexandra Houston-Ludlam

Obstetrics and Gynecology Barnes-Jewish Hospital St. Louis, Missouri

Po wei (Billy) Kang

Internal Medicine/ProSTAR/PSTP UCLA Medical Center Los Angeles, California

Manasi Malik

Internal Medicine/Research Track University of North Carolina Hospitals Chapel Hill, North Carolina

Sindhu Manivasagam

Internal Medicine – Pediatrics Vanderbilt University Medical Center Nashville, Tennessee

Olga Neyman

Emergency Medicine University of Massachusetts Chan Medical School Worcester, Massachusetts

Craig Pearson

Psychiatry Massachusetts General Hospital Boston, Massachusetts

Vincent Peng

Internal Medicine University of California San Francisco San Francisco, California

Maximilian Schaettler

Internal Medicine Brigham and Women's Hospital Boston, Massachusetts

Kalyan Tripathy

Psychiatry/Child Psychiatry Track UPMC Medical Education Pittsburgh, Pennsylvania

Alex Wessel

Internal Medicine Cedars-Sinai Medical Center Los Angeles, California

Emma Winkler

Internal Medicine Stanford Health Care Stanford, California

Doctor of Medicine and Master of Business Administration Degrees

Stanley Chibueze

Psychiatry Barnes-Jewish Hospital St. Louis, Missouri

Nathan Lohner

Anesthesiology University of Washington Affiliated Hospitals Seattle, Washington

Doctor of Medicine and Master of Population Health Sciences Degrees

Sarah Chiang

Plastic Surgery (Integrated) UCLA Medical Center Los Angeles, California

Alden D'Souza

Radiation Oncology Barnes-Jewish Hospital St. Louis, Missouri

Urvi Holmes

Internal Medicine St. Luke's Hospital St. Louis, Missouri

Zachery Hong

Orthopaedic Surgery Cedars-Sinai Medical Center Los Angeles, California

Xinwen Hu

Anesthesiology University of Washington Affiliated Hospitals Seattle, Washington

Jacob Wise

Deferring Residency

Ashwin Leo

Physical Medicine & Rehabilitation Barnes-Jewish Hospital St. Louis, Missouri

Alexander Shiang

Urology Cedars-Sinai Medical Center Los Angeles, California

Nirmala Shivakumar

Internal Medicine Barnes-Jewish Hospital St. Louis, Missouri

Jonathan Tang

Internal Medicine Barnes-Jewish Hospital St. Louis, Missouri

Doctor of Medicine and Master of Public Health Degrees

Michelle Bagwell

Psychiatry Barnes-Jewish Hospital St. Louis, Missouri

Sarah Cohen

Obstetrics and Gynecology Barnes-Jewish Hospital St. Louis, Missouri

Hannah Lucas

St. Louis, Missouri

Pediatrics St. Louis Children's Hospital

Victoria Offei-Dua

Anesthesiology **Duke University Medical Center** Durham, North Carolina

Alex Shimony

Pediatrics St. Louis Children's Hospital St. Louis, Missouri

Doctor of Medicine and Master of Science in **Clinical Investigation Degrees**

Andrew Coxon

Neurological Surgery Barnes-Jewish Hospital St. Louis, Missouri

Gabrielle Johnson

Neurological Surgery Barnes-Jewish Hospital St. Louis, Missouri

Amish Khan

Internal Medicine **UPMC Medical Education** Pittsburgh, Pennsylvania

Adam Liebendorfer

Surgery – Preliminary Barnes-Jewish Hospital St. Louis, Missouri

Alexandra Zdonczyk

Ophthalmology Washington University St. Louis, Missouri

Doctor of Medicine Degree

Kamilah Abdur-Rashid

Obstetrics and Gynecology University of Colorado School of Medicine Aurora. Colorado

Faisal Ahmad

Dermatology Saint Louis University School of Medicine St. Louis, Missouri

Ashley Amukamara

Obstetrics and Gynecology Hospital of the University of Pennsylvania Philadelphia, Pennsylvania

Thomas Bane

Orthopaedic Surgery University of Kansas School of Medicine Kansas City, Kansas

Joseph Banton

General Surgery Barnes-Jewish Hospital St. Louis, Missouri

Toby Barrack

Orthopaedic Surgery Stanford Health Care Redwood City, California

Jack Basse

Emergency Medicine UCLA Medical Center Los Angeles, California

Curtis Broberg

Internal Medicine Barnes-Jewish Hospital St. Louis, Missouri

Michelle Cai

Psychiatry Barnes-Jewish Hospital St. Louis, Missouri

Katherine Carbonell

Obstetrics and Gynecology Barnes-Jewish Hospital St. Louis, Missouri

Angela Cattani

Internal Medicine – Primary Care Boston University Medical Center Boston, Massachusetts

Jennifer Chung

Ophthalmology Scheie Eye Institute/University of Pennsylvania Philadelphia, Pennsyvania

Samuel Cler

Otolaryngology Barnes-Jewish Hospital St. Louis, Missouri

Alexander Conway

Internal Medicine
University of California San Francisco
San Francisco, California

John Daines

Pathology – AP/CP Combined University of Utah Health Salt Lake City, Utah

Madeline Danforth

Internal Medicine – Primary Care Hospital of the University of Pennsylvania Philadelphia, Pennsylvania

Drew Del Toro

Surgery – Preliminary Stanford Health Care Stanford, California

Christopher Douglas

Psychiatry Barnes-Jewish Hospital St. Louis, Missouri

Anna Dowling

Psychiatry The Johns Hopkins Hospital Baltimore, Maryland

Patrick England

Orthopaedic Surgery McGaw Medical Center of Northwestern University Chicago, Illinois

Michael Finnan

Plastic Surgery (Integrated) University of Washington Affiliated Hospitals Seattle, Washington

William Freeman, Jr.

Emergency Medicine Barnes-Jewish Hospital St. Louis, Missouri

Pramodh Ganapathy

Diagnostic Radiology The Johns Hopkins Hospital Baltimore, Maryland

Cyrus Ghaznavi

Internal Medicine University of California San Francisco San Francisco, California

Mary Guard

Psychiatry New York-Presbyterian Hospital – Columbia University Medical Center New York, New York

Aaron Guo

Thoracic Surgery
The Ohio State University Wexner
Medical Center
Columbus, Ohio

Gideon Haber

Radiation Oncology Memorial Sloan Kettering Cancer Center New York, New York

Julia Hamilton

Internal Medicine Oregon Health & Science University Portland, Oregon

Jacqueline Hampton

Diagnostic Radiology Barnes-Jewish Hospital St. Louis, Missouri

Austin Hannemann

Diagnostic Radiology Barnes-Jewish Hospital St. Louis, Missouri

Gopika Hari

Anesthesiology Massachusetts General Hospital Boston, Massachusetts

Samantha Kauffman

Pediatrics Case Western/University Hospitals Cleveland, Ohio

Kelsie Kodama

Pediatrics St. Louis Children's Hospital St. Louis, Missouri

David Lauzier

Neurological Surgery UCLA Medical Center Los Angeles, California

Jennifer Lee

Pediatrics Boston Children's Hospital Boston, Massachusetts

Alexandria Lenyo

Internal Medicine Vanderbilt University Medical Center Nashville, Tennessee

Miranda Liang

Psychiatry Barnes-Jewish Hospital St. Louis, Missouri

Rajwant Mahal

Ophthalmology Washington University St. Louis, Missouri

Kushanth Mallikarjun

Diagnostic Radiology Barnes-Jewish Hospital St. Louis, Missouri

Matthew Millett

Anesthesiology University of Chicago Medical Center Chicago, Illinois

Arwa Mohammad

Internal Medicine Barnes-Jewish Hospital St. Louis, Missouri

Genevieve Munoz

Diagnostic Radiology UCLA Medical Center Los Angeles, California

Kevin Naceanceno

Diagnostic Radiology Barnes-Jewish Hospital St. Louis, Missouri

Marina Nguyen

Internal Medicine Harbor-UCLA Medical Center Torrance, California

Chioma Odozor

Anesthesiology University of Toronto Toronto, Ontario, Canada

Adam Ostergar

Urology Mayo Clinic Arizona Phoenix, Arizona

Cole Pavelchek

Otolaryngology Oregon Health & Science University Portland, Oregon

Emma Payne

Orthopaedic Surgery Barnes-Jewish Hospital St. Louis, Missouri

Kristin Pfeifauf

Emergency Medicine University of Florida College of Medicine Jacksonville, Florida

Bruin Pollard

Dermatology
Mayo Clinic School of Graduate
Medical Education
Rochester, Minnesota

Matthew Richards

General Surgery West Virginia University School of Medicine Morgantown, West Virginia

Rachel Rios

Anesthesiology Vanderbilt University Medical Center Nashville, Tennessee

Karim Saoud

Plastic Surgery (Integrated) Barnes-Jewish Hospital St. Louis, Missouri

Carter Scott

Obstetrics and Gynecology Oregon Health & Science University Portland, Oregon

Sukruth Shashikumar

Internal Medicine Brigham and Women's Hospital Boston, Massachusetts

Haley Sherburne

Pediatrics
Mayo Clinic School of Graduate
Medical Education
Rochester, Minnesota

Lucy Simpson

Obstetrics and Gynecology Mercy Hospital St. Louis St. Louis, Missouri

Ruba Sokrab

Orthopaedic Surgery Indiana University School of Medicine Indianapolis, Indiana

Nikita Sood

Obstetrics and Gynecology Brown University/Women & Infants Hospital Providence, Rhode Island

Janessa Sullivan

Plastic Surgery (Integrated) Yale New Haven Hospital New Haven, Connecticut

Chia-Hung (Leo) Sze

Deferring Residency

Jeffrey Tarrasch

Internal Medicine Barnes-Jewish Hospital St. Louis, Missouri

Ryan Wahidi

Vascular Surgery Barnes-Jewish Hospital St. Louis, Missouri

Patrick Ward

Orthopaedic Surgery University of Chicago Medical Center Chicago, Illinois

Winston Winkler

Diagnostic Radiology New York University Grossman School of Medicine New York, New York

Ziheng Xu

Internal Medicine Stanford Health Care Stanford, California

Emily Yan

Otolaryngology The Ohio State University Wexner Medical Center Columbus, Ohio

Jonathan Yu

Pediatrics Children's Hospital of Philadelphia Philadelphia, Pennsylvania

Amy Zhang

Internal Medicine Beth Israel Deaconess Medical Center Boston, Massachusetts

Amy Zhao

Internal Medicine Barnes-Jewish Hospital St. Louis, Missouri

Valerie Zike

General Surgery UHS Southern California Medical Education Consortium Wildomar, California

Awards and Prizes

American Academy of Neurology Medical Student Prize for Excellence in Neurology

Awarded for excellence in clinical neurology, outstanding scientific achievement and clinical acumen in neurology or neuroscience, and personal integrity, compassion and leadership.

Lauren Broestl

American College of Physicians Clerkship Award

This award was established in 1992 and recognizes a student completing the third year of study with meritorious achievement in the Internal Medicine Clinical Clerkship.

Maximilian Schaettler

American College of Physicians Michael M. Karl, MD, Book Award

Presented annually to a member of the graduating class committed to a career in internal medicine, in recognition of highest achievement in the field of internal medicine.

Cyrus Ghaznavi

Antoinette Frances Dames Award in Cell Biology and Physiology

Awarded annually to a member of the graduating class who has demonstrated superior scholarship in these fields.

David Lauzier, Po wei Kang

Ruth Bebermeyer Award

This award honors her many years of service to the Alumni Association and to the students of the School of Medicine. It is awarded to a student who has shown extraordinary kindness and sensitivity to the needs of others.

Jennifer Lee

The Alexander Berg Prize

Awarded to the student presenting the best results in research in molecular microbiology.

Rita Chen

The James and Philip Brasington Memorial Prize

Awarded to a medical school student who has demonstrated excellent preclinical and clinical academic performance in psychiatry and who has the potential to make significant contributions to the field.

Craig Pearson

Jacques J. Bronfenbrenner Award

Provided by Dr. Bronfenbrenner's students in memory of his inspiration as a teacher and a scientist, and awarded to a member of the graduating class who, as judged by the Department of Internal Medicine, has done the most outstanding work in infectious diseases or related fields.

Cyrus Ghaznavi

Dr. Richard S. Brookings Medical School Prizes

These prizes were provided through a bequest of Robert S. Brookings in honor of his father, Dr. Richard Brookings, to recognize outstanding student performance in medical school curriculum.

Christopher Chermside-Scabbo, Carter Scott, Winston Winkler

Dr. Richard S. Brookings Medical School Prize

Provided through a bequest of Robert S. Brookings to recognize meritorious research in medical school. The Committee on Fellowships and Awards selects this recipient.

Sukruth Shashikumar

Dr. Harvey Butcher Prize in Surgery

Awarded annually in memory of Dr. Harvey Butcher to a member of the graduating class who, as judged by the Department of Surgery, shows the greatest promise for general surgery.

Joseph Banton

Robert Carter Medical School Prizes

These prizes were provided through a bequest of Robert S. Brookings in honor of his maternal grandfather Robert Carter, an industrialist and farmer, to recognize outstanding student performance in the medical school curriculum.

Karim Saoud, Thomas Bane, Will Freeman

Robert Carter Medical School Award

Provided for medical students through a bequest from Robert S. Brookings for meritorious performance and research in medical school. The Committee on Fellowships and Awards selects this recipient.

Sarah Chiang, David Lauzier

F. Sessions Cole Award in Pediatrics

The Cole award is presented annually to a senior medical student entering the field of pediatrics who best embodies the mission of F. Sessions Cole, MD. Dr. Cole has been a physician scientist who continually embraces new and emerging technologies, in particular incorporating genomics into clinical care. He is a kind and caring mentor who provides honest and thoughtful appraisals and gives generously with his time. He is a master clinician who continually advocates for our smallest patients and supports their families, the hospital staff, and all of those who care for them, by going above and beyond what is expected. An omnipresent voice of wisdom, a motivator, and an inspiration to all.

Jennifer Lee

Elisabeth L. Demonchaux Prize in Pediatrics

Established in 1985, the prize is awarded annually to a graduating student who has done outstanding work in pediatrics.

Kelsie Kodama

Steven Dresler Prize

The prize is awarded to a student who has demonstrated a commitment to promoting social good, civil rights and civil liberties through social action and volunteerism.

Ashley Amukamara

Dr. William Ellis Award

Established in 1990 by Dr. Ellis and awarded to a senior student in recognition of meritorious research in ophthalmology.

Jennifer Chung

The Endocrine Society Medical Student Achievement Award

Recognizing a graduating medical student who has shown special achievement and interest in the general field of endocrinology.

Cyrus Ghaznavi

George F. Gill Prize in Pediatrics

Awarded to a member of the graduating class who has demonstrated superior scholarship in pediatrics.

Sindhu Manivasagam

Alfred Goldman Book Prize in Diseases of the Chest

Created in 1972 as an annual award to be given to a student selected by the faculty for outstanding clinical work or research in diseases of the chest or pulmonary physiology.

Alexandra Lenyo

Max and Evelyn Grand Prize

Established in 1985 by Dr. M. Gilbert Grand, the prize is awarded annually to a member of the graduating class for excellence in ophthalmic research or clinical ophthalmology.

Alexandra Zdonczyk

Herrmann Prize

This prize was created by Dr. Paul Herrmann (MD '61) and his wife, Susan, to recognize a student who is considered a thoughtful and sensitive communicator in the clinical arena and who exemplifies listening and communication skills every patient hopes their physician will possess.

Madeline Danforth

Howard A. McCordock Prize in Pathology

Awarded to a member of the graduating class for general excellence in pathology.

John Daines

Dr. John Esben Kirk Scholastic Award

Established in 1975 and awarded to a graduating student of high scholastic standing. **Gopika Hari, Zachery Hong, Faisal Ahmad**

Louis and Dorothy Kovitz Senior Prize in Surgery

Senior award in surgery recognizing a member of the graduating class who has shown the most outstanding ability, zeal and interest in surgical problems.

Aaron Guo

I. Wallace Leibner Award

Established in 1988 in memory of Dr. Leibner, the award is given to the member of the graduating class who has not only demonstrated excellence in diagnosis and therapeutics, but also an understanding of human nature and needs and an active nurturing of both patient and family.

Jonathan Yu

Irwin Levy Prize in Neurology and Neurological Surgery

This prize was established in 1980 by friends of Dr. Levy as a tribute to his commitment to clinical teaching. This prize is awarded to the student who presents the best performance in neurology and neurological surgery.

Kalyan Tripathy

Edward Massie Prize for Excellence in Cardiology

Awarded to the member of the graduating class who, as judged by the Division of Cardiovascular Disease in the Department of Internal Medicine, has done the most outstanding clinical or basic research work in the field of cardiovascular disease.

Po wei Kang

Medical Center Alumni Scholarship Fund Prize

Awarded annually to a student who has shown excellence in their work during the preceding year.

Patrick England

Medical Fund Society Prize in Medicine

One prize awarded annually to a graduating student who has excelled in the study of internal medicine.

Arwa Mohammad

Medical Fund Society Prize in Surgery

One prize awarded annually to a graduating student who has excelled in the study of surgery.

Adam Ostergar

Merck Academic Excellence Awards

Given annually to three graduating medical students for scholastic achievement in medical studies.

Vincent Peng

Missouri State Medical Association Award

Presented annually to honor School of Medicine graduates for outstanding achievement in the study of medicine.

Jacqueline Hampton

Morton E. Smith Promise in Academic Medicine Award

This award was established in 2020 by the Washington University School of Medicine Chapter of Alpha Omega Alpha (AOA) Honor Medical Society in honor of Dr. Smith's years of service as the chapter's appointed Councilor. The award recognizes a student who has shown exceptional promise in academic medicine and exemplifies Dr. Smith's passion for teaching, humility, kindness and good humor in working with their peers, faculty and staff.

Amy Zhang

Doctor Helen E. Nash Academic Achievement Award

This award is given annually to a student who has exhibited an unusual degree of the qualities of industry, perseverance, determination and enthusiasm. The prize is given in honor of Dr. Helen Nash, a pediatrician noted in the St. Louis community for her commitment to excellence, tireless advocacy on behalf of children and endless enthusiasm for the field of medicine.

Chioma Odozor

Nathan Edward Hellman, MD, PhD, Memorial Award

Awarded to a student with a strong track record of accomplishments and an interest in academic medicine, and whose humanism, collegiality, humor and compassion are an inspiration to members of the class.

Haley Sherburne, Gabrielle Johnson, Sarah Cohen

The Nash Family Pediatrics Award

Presented to the senior student showing the greatest promise in clinical pediatrics.

Alex Shimony

Dr. William A. Rubenstein Award in Medicine

This award is presented annually to a fourth-year student who shows a serious interest in pursuing a career in internal medicine and who demonstrates the exceptional qualities of a gifted physician, including compassion, caring and the pursuit of scientific knowledge.

Sukruth Shashikumar

Dr. Margaret G. Smith Award

Awarded to a woman medical student for outstanding achievement in the second year of medical school.

Katherine Carbonell

John R. Smith Memorial Fund Award

Created in 1982 and awarded to a medical student who has done meritorious clinical and/or research work in the Division of Cardiovascular Disease within the Department of Internal Medicine.

Sukruth Shashikumar

Society for Academic Emergency Medicine Excellence in Emergency Medicine Award

Based on demonstrated excellence in the specialty of emergency medicine, it is awarded to a senior medical student at Commencement.

Jack Basse

Samuel D. Soule Award in Obstetrics and Gynecology

Presented to a member of the fourth-year class for meritorious achievement in either basic or clinical investigation in obstetrics and gynecology.

Alexandra Houston-Ludlam

Jessie L. Ternberg Award

This award is presented to a woman who best exemplifies Dr. Ternberg's indomitable spirit of determination, perseverance and dedication to her patients.

Jennifer Lee

Washington University Internal Medicine Club Research Award

Awarded to the member of the graduating class who has done the most significant research in any area of internal medicine.

Emma Winkler

Samson F. Wennerman Prize in Surgery

Established by Samson F. Wennerman's wife, Zelda E. Wennerman, and awarded annually to a fourth-year student who has demonstrated promise in the field of surgery.

Michael Finnan

Hugh M. Wilson Award in Radiology

Given annually to a graduating medical student in recognition of outstanding work in radiology-related subjects, either clinical or basic science.

Jacqueline Hampton

The Wynder Prize for Preventive Medicine

An annual prize established in 1994 and awarded to senior medical students who have done the best research in preventive medicine.

Alexandra Houston-Ludlam, Amish Khan

James Henry Yalem Prize in Dermatology

Established by Charles Yalem in memory of his son and awarded annually to a member of the fourth-year class for outstanding work in dermatology.

Bruin Pollard

Gold Humanism Honor Society

Ashley Amukamara
Jack Basse
Katherine Carbonell
Christopher Chermside-Scabbo
Sarah Cohen
Madeline Danforth
Cyrus Ghaznavi
Kelsie Kodama
Matt Millett

Craig Pearson
Kristin Pfeifauf
Carter Scott
Sukruth Shashikumar
Haley Sherburne
Nikita Sood
Kalyan Tripathy
Alexandra Zdonczyk

Declaration of Geneva

AS A MEMBER OF THE MEDICAL PROFESSION:

I SOLEMNLY PLEDGE to dedicate my life to the service of humanity;

THE HEALTH AND WELL-BEING OF MY PATIENT will be my first consideration;

I WILL RESPECT the autonomy and dignity of my patient;

I WILL MAINTAIN the utmost respect for human life;

I WILL NOT PERMIT considerations of age, disease or disability, creed, ethnic origin, gender, nationality, political affiliation, race, sexual orientation, social standing, or any other factor to intervene between my duty and my patient;

I WILL RESPECT the secrets that are confided in me, even after the patient has died;

I WILL PRACTISE my profession with conscience and dignity and in accordance with good medical practice;

I WILL FOSTER the honour and noble traditions of the medical profession;

I WILL GIVE to my teachers, colleagues, and students the respect and gratitude that is their due;

I WILL SHARE my medical knowledge for the benefit of the patient and the advancement of healthcare;

I WILL ATTEND TO my own health, well-being, and abilities in order to provide care of the highest standard;

I WILL NOT USE my medical knowledge to violate human rights and civil liberties, even under threat;

I MAKE THESE PROMISES solemnly, freely, and upon my honour.



mdcommencement.wustl.edu

