



Dr. Rachel Thompson

STAFF HIGHLIGHT: WELCOME RACHEL M. THOMPSON, M.D.

Rachel M. Thompson, M.D., Assistant Clinical Professor-in-Residence in the Department of Orthopaedic Surgery in the David Geffen School of Medicine at UCLA, serves as the new Associate Director of the UCLA/OIC Center for Cerebral Palsy (CCP). Her research and primary area of practice focus on pediatric orthopaedics, particularly neuromuscular orthopaedics, cerebral palsy, and adolescent hip disease. She uses gait analysis to improve surgical decision-making and evaluate clinical outcomes for CP patients. "I chose to work with individuals with CP because I strongly believe that everyone deserves to be treated with dignity," Dr. Thompson says. "My work with children and adults with CP allows me to take care of people who may otherwise be discounted because they don't walk, or speak slowly, or have difficulty controlling the way their bodies move. I have the privilege of supporting these individuals' function through orthopaedics, decreasing pain or improving biomechanics so that they can achieve their highest level of function."

A native of Chicago, Dr. Thompson earned her M.D. degree at the George Washington University in Washington, D.C.; did her residency in orthopaedic surgery at Northwestern University in Chicago, IL; completed her first fellowship in pediatric orthopaedics and scoliosis at Texas Scottish Rite Hospital for Children in Dallas, TX; her second in neuromuscular orthopaedics at Nemours Alfred I. duPont Hospital for Children in Wilmington, DE; and a travelling fellowship in adolescent and adult hip dysplasia in Aarhus, Denmark. Dr. Thompson is a member of the American Academy of Orthopaedic Surgeons, Pediatric Orthopaedic Society of North America (POSNA), American Academy of Cerebral Palsy and Developmental Medicine (AACPDM), and Health Volunteers Overseas. She delivered the American Academy of Orthopaedic Surgeons "Game Changer" paper in 2014; received the OREF/ORS Midwest Resident Research Symposium 1st Place Clinical Science Award in 2015; the Spine Research Award at Texas Scottish Rite Hospital for Children in 2016; the Mac Keith Press AACPDM Promising Career Award in 2017; and gave the Orthopaedic Trauma Association Best Pediatric Paper for 2017.



Dr. Margaret Jones

CELEBRATING OUR DONORS: JONES-KANAAR FOUNDATION

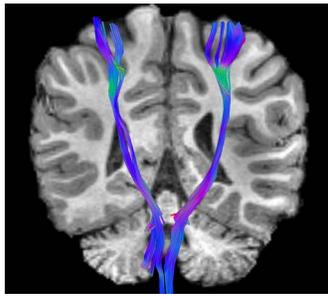
Margaret Holden Jones was a pioneer in working with CP patients. Born June 3, 1904, in Portland, Maine, she received her bachelor's degree in Chemistry at Radcliffe College and her medical degree at Cornell University, one of the few women in her class. Dr. Jones joined a busy pediatric office in Los Angeles in 1943 and, six years later, opened her practice in Glendale. There she founded a nursery school for children with CP and advanced a new paradigm of treating babies with daily physical therapy. Dr. Jones taught at the USC School of Medicine from 1943 to 1954, before joining the staff of the UCLA School of Medicine to teach pediatric medicine. Among her numerous honors, Dr. Jones served as the sixth president of the American Academy of Cerebral Palsy. Having retired from UCLA in 1972, she remained involved in the CP clinic until a year before her death at age 97.

Dr. Jones believed in tailoring care to patients with CP of all ages. She was a proponent of the idea that treatment for CP cannot be a one-size-fits-all method. She persuaded UCLA to open its children's CP clinic to adult patients and was revered by patients and their families for her attention

to quality-of-life issues affecting people with CP. While most treatments of CP focus on muscle control, Dr. Jones advocated for more attention to speaking, breathing, and swallowing problems. "Patients loved her and many stuck with her for more than half a century," said William Oppenheim, M.D., Director of the UCLA/OIC Center for Cerebral Palsy.

In 1989, Dr. Jones married for the first time. Her husband, Dr. Adrian C. Kanaar, had been a surgeon in the British army. After his death, Dr. Jones established the nonprofit Jones-Kanaar Foundation dedicated to assisting physically challenged people, especially those with CP, and fostering volunteerism in youth. Continuing the legacy of Dr. Jones, the Foundation remains an important partner of the UCLA/OIC CCP, supporting, among other things, the Margaret Holden Jones Kanaar, M.D. Chair in Cerebral Palsy, held by Dr. Oppenheim. "The Foundation is especially heartened by UCLA's commitment to providing adult care for CP patients and addressing the differences in the aging process with bones, muscles, and the body," says Constance McBirney, Treasurer of the Jones-Kanaar Foundation.

BRAIN IMAGING RESEARCH



Brain scan of CP patient

Children with the spastic form of CP have damage to the voluntary motor tracts of the brain that affects the development of skilled movement. The extent of this damage influences the performance of selective voluntary motor control and may influence the response to treatments, including physical therapy,

orthopedic surgery, and neurosurgery. Eileen Fowler, Ph.D., P.T., Professor of Orthopaedic Surgery at the David Geffen School of Medicine at UCLA, Peter William Shapiro Chair in Cerebral Palsy, and Director of Research and Education at the UCLA/OIC CCP, together with the CCP research team and colleagues in the Brain Mapping Center and Pediatric Neurology, has developed methods to evaluate selective voluntary motor control of the lower limbs during a clinical examination by using biomechanical assessments of walking. The team is now examining the relationship between lower limb movement and corticospinal tract damage in the brain. Children with spastic CP undergo clinical assessment in the Kameron Gait and Motion Laboratory as well as Magnetic Resonance Imaging (MRI) with diffusion tensor imaging (DTI) in the UCLA Brain Mapping Center.

If you are interested in your child having an MRI with DTI, visit <http://uclaccp.org/cp-research> for more information.

HIP SURVEILLANCE STUDY



CP hip dislocation

Children with CP are at risk for hip dislocation, which can affect their seating balance, perineal care, and pelvic stability. Orthopaedic surgery performed prior to hip dislocation can prevent these negative outcomes. Hip surveillance protocols have been

developed and implemented broadly outside the United States. Dr. Freeman Miller, Co-Director of the CP program and Medical Director of the Gait Analysis Laboratory at the Alfred I. duPont Institute, developed an American-based protocol, which resulted in a decreased dislocation rate of 1.1 percent. UCLA physicians working with patients with CP follow Dr. Miller's protocol, which calls for a clinical exam every 6-12 months and a schedule of screening anterior-posterior pelvis radiographs over several years. Dr. Rachel Thompson is initiating a new study to follow all children seen at the UCLA/OIC CCP. Each new patient evaluated prior to five years of age will be enrolled and followed through skeletal maturity. The study will record and codify surgical interventions undertaken as a result of radiographic findings to evaluate the effectiveness of this protocol.

PATIENT STORIES: OLIVER MANN



Oliver, third from left, at Camp Leg Power

Oliver Mann has been a patient at the UCLA/OIC CCP since he was three, and over the years, he underwent multiple orthopedic surgeries. He will be graduating from high school this winter at age 18. He intends to enroll in a community college and then, hopefully, transfer to UCLA.

In 2015, Oliver attended the UCLA CCP Camp Leg Power as a junior counselor. The camp is a pilot study designed to identify changes in the brain in response to therapy for the lower limbs of children with spastic CP. The research focuses on measuring and improving skilled movement patterns and identifying resulting changes in the brain. Oliver was a hard and dedicated worker, leading daily opening exercises, accompanying campers on his ukulele as they sang their favorite songs, and assisting the counselors in cheering on the children as they performed activities. The focus of the activities was on isolated leg and foot movements in order to enhance neuronal activity in the brain and muscle function.

To find out if your child is eligible to participate in the 2018 Camp Leg Power, please call (310) 825-5858.

FAMILY FORUM

This unique program provides education to patients with CP, their families, and caretakers. Presenters will include the center's team and faculty from the David Geffen School of Medicine at UCLA. Patients, parents, and other stakeholders are welcome.

Saturday, March 17, 2018

UCLA Faculty Center

480 Charles E Young Drive East, Los Angeles, CA 90095

Registration: 12:30 – 1:30 p.m.

Program: 1:30 – 4:30 p.m.

Reception: 4:30 – 5:30 p.m.

Topics will include: Orthopedic and spasticity management in CP • The science of making friends at school • Women's health • Ability ballet • Accessible computer gaming

To register for the Family Forum, visit www.cpfamilyforum.org or call the UCLA/OIC CCP at (310) 825-5858.

Philanthropic support transforms the patient experience and accelerates the clinical, research, and educational endeavors of the UCLA/OIC Center for Cerebral Palsy. For more information, please contact UCLA Health Sciences Development at (310) 206-2435 or jbrown@support.ucla.edu.