Celia H. Chang, M.D.

Philosophy of Care

"I pledge to perform the following duties with honesty and dedication:

- I will hold as my primary responsibility the health, safety, welfare and dignity of all human beings.
- I will uphold the tenets of patient autonomy, beneficence, nonmaleficence and justice.
- I will recognize and promote the value of diversity.
- I will treat equally all persons who seek my care.
- I will hold in confidence the information shared in the course of practicing medicine.
- I will assess my personal capabilities and limitations, striving always to improve my medical practice.
- I will actively seek to expand my knowledge and skills, keeping abreast of advances in medicine.
- I will work with other members of the health care team to provide compassionate and effective care of patients.
- I will use my knowledge and experience to contribute to an improved community.
- I will respect my professional relationship with the physician.
- I will share and expand knowledge within the profession.

These duties are pledged with sincerity and upon my honor."

Clinical Interests

Dr. Chang is especially interested in inpatient care, epilepsy and genetic conditions but also see patients with developmental delay, movement disorders, tics and headaches, and neuromuscular conditions including congenital and autoimmune myasthenia.

Research/Academic Interests

Dr. Chang's has had a long standing interest in neurogenetics. She authored the Medscape articles for Menkes disease, Incontinentia Pigmenti and Neuronal Ceroid Lipofuscinosis in 2002 and continues to update those articles. She has also coauthored an abstract on a hypotonic infant with an EARS2 Mutations and an article on patients with congenital myasthenia. She taught at a neurology board review course, giving lectures on:

1. genetic disorders including chromosomopathies, mitochondrial disorders and lysosomal disorders.
2. congenital disorders including CNS malformations and neurocutaneous syndromes.
3. child neurology including childhood epilepsies which are largely genetic.

She also works with the Genomic Medicine group closely, participates in the Genomic Medicine clinical rounds regularly and has given joint neurology grand rounds with various members of the Genomic Medicine group.

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Dr. Chang's other interests also include:

1. medical education. I did an ANA teaching fellowship in 2001 at the University of Rochester. I have developed curriculum for medical students and residents. I was also chair of the planning committee for the 2019 North Pacific Child Neurology Colloquium and have taught in review courses.
2. wellness for physicians and medical students. I have served on the UCD Medical Staff Well-Being Committee since July and the UCD Dept of Pediatrics Pediatric Residency Wellness Committee since July 2012.
3. telemedicine and use of the electronic medical record. I have been providing outpatient telemedicine care since 2001. I am also an Epic poweruser.
4. leadership. I took a mid career leadership course 2009 to 2010 and have been involved with the advanced leadership development program since 2017 as part of the focus group to develop the course, as a participant in the course in 2018 and now as a program fellow helping to facilitate sessions.

Title Clinical Professor

Specialty Pediatric Neurology

Department Neurology
Pediatrics

Division Pediatric Neurology

Clinic UC Davis Medical Group, Sacramento - Midtown

Center/Program Affiliation Center for Health and Technology
UC Davis Children's Hospital
UC Davis MIND Institute

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Languages Mandarin, Spanish

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Celia H. Chang, M.D.

Education
M.D., UC Davis School of Medicine, Sacramento CA 1993
B.A./B.S., UC Berkeley, Berkeley CA 1989

Internships
Childrens Hospital Los Angeles, Los Angeles CA 1997-1998
Highland General Hospital, Oakland CA 1993-1994

Residency
Childrens Hospital Los Angeles, Los Angeles CA 1998
UC Davis - East Bay, Martinez CA 1994-1997

Fellowships
Teaching Fellowship, University of Rochester, Rochester NY 2001

Board Certifications
American Board of Neurology - Child Neurology

Professional Memberships
American Academy of Neurology
Child Neurology Society

Honors and Awards
Neurology Resident Teaching Award, 2009, 2010

Select Recent Publications

Dayal P, Chang CH, Benko WS, Pollock BH, Crossen SS, Kissee J, Ulmer AM, Hoch JS, Warner L, Marcin JP. Hospital Utilization Among Rural Children Served by Pediatric Neurology Telemedicine Clinics. JAMA Netw Open. 2019 Aug 2;2(8):e199364. doi:10.1001/jamanetworkopen.2019.9364. PMID:31418803.

Dayal P, Chang CH, Benko WS, Ulmer AM, Crossen SS, Pollock BH, Hoch JS, Kissee JL, Warner L, Marcin JP. Appointment completion in pediatric neurology telemedicine clinics serving underserved patients. Neurol Clin Pract. 2019 Aug;9(4):314-321. doi:10.1212/CPJ.0000000000000649. PMID:31583186.

Haskins J, Carson JG, Chang CH, Kirshnit C, Link DP, Navarra L, Scher LM, Sciolla AF, Uppington J, Yellowlees P. The Suicide Prevention, Depression Awareness, and Clinical Engagement Program for Faculty and Residents at the University of California, Davis Health System. Acad Psychiatry. 2016 Feb;40(1):23-9. doi:10.1007/s40596-015-0359-0. Epub 2015 Jun 11. PMID:26063680.

Arredondo J, Lara M, Gospe SM Jr, Mazia CG, Vaccarezza M, Garcia-Erro M, Bowe CM, Chang CH, Mezei MM, Maselli RA. Choline Acetyltransferase Mutations Causing Congenital Myasthenic Syndrome: Molecular Findings and Genotype-Phenotype Correlations. Hum Mutat. 2015 Sep;36

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Broomall E, Natale JE, Grimason M, Goldstein J, Smith CM, Chang C, Kanes S, Rogawski MA, Wainwright MS. Pediatric super-refractory status epilepticus treated with allopregnanolone. Ann Neurol. 2014 Dec;76(6):911-5. doi:10.1002/ana.24295. Epub 2014 Nov 11. PMID:25363147.

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Chang CH. Neurologic Manifestations of Incontinentia Pigmenti. Medscape reference.

Chang CH. Neuronal Ceroid Lipofuscinosis. Medscape reference.

Chang CH, Bourgeois JA. Patient Management Problem. ContinuumPsychiatry for Neurologists: 12(5).

Lin MI, Mitchell WG, Chang C, Chen LS. Weight loss due to Topiramate. Ann Neurol. 1999;46: 531A.

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