Engineering Neuroscience & Health

Department of Biomedical Engineering Division of Biokinesiology and Physical Therapy

ENH SEMINAR SERIES

Presents:

Dr. Mindy Aisen

Cerebral Palsy International Research Foundation

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Monday

December 7, 2009

4:00 p.m.

Refreshments will be served 3—4 pm

"Research Advances in Cerebral Palsy"

Mindy Aisen, MD
Cerebral Palsy International Research Foundation, Medical Director
Washington, DC

Cerebral Palsy shares pathophysiologic mechanisms with stroke, demyelinating disorders, and traumatic brain injury. Advances in for treating CP, using methods such as neural protection, neural repair, and neurorehabilitation will impact all diseases of the brain.

By definition, Cerebral Palsy (CP) is a brain injury (caused by stroke, hemorrhage, infection or trauma, among other causes) in the developing brain, as early as in utero or before the age of 2-3 years. The child grows up with some degree of weakness and muscle tightness in any or all limbs, and may or may not have other neurological complications such as sensory deficits, intellectual, psycho-social, and epilepsy. One in nine children have symptoms of autism; many have learning disabilities; yet more than half have normal or superior intelligence and can achieve professional, financial and social independence---if given the optimal support and access to opportunities. Most children with Cerebral Palsy now live into adulthood, and they often have accelerated onset of age related conditions such as diabetes and atherosclerosis.

Cerebral palsy and related developmental disabilities such as autism have a commonality: they begin in early childhood and effect a lifetime. Research focused on new approaches for preventing the initial damage, repairing that damage and treating the neurological symptoms and their consequences is underway. The goal: to promote long healthy, productive and participatory lives.

To learn more about this topic: www.cpirf.org

Locations:
Seminar is simultaneously presented

HSC: CHP 147 – LIVE
Center for the Health Professional

HSC Campus Map/Directions:
http://www.usc.edu/about/visit/hsc/

UPC: HNB 100 — Video Conference
Hedco Neurosciences Building

UPC Campus Map/Directions:
http://www.usc.edu/about/visit/upc/

Organized by Professor Francisco Valero-Cuevas http://bme.usc.edu/valero/

Web Cast

http://capture.usc.edu/college/Catalog/pages/catalog.aspx?catalogId=946350f1-ca84-40e7-b867-e16adba01e4e

Information about all seminars can be found at
http://bme.usc.edu/valero/ENH/ENH-Schedule.html