



Clinical Neuroscience Grand Rounds Presented by the Departments of Neurology & Neurosurgery

"A Cellular-Developmental Perspective on Mechanisms That Underlie Cerebral Palsy"



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Wednesday, December 3rd, 2014, 8:00 am, Brady Auditorium, Room B131

This course will fulfill the licensure requirement set forth by the State of Connecticut This Grand Rounds Activity is not supported by any Educational Grant

ACCREDITATION

The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

NEEDS ASSESSMENT

This lecture will cover historical background and definition of cerebral palsy, a rising clinical problem observed in developing extremely low birth weight preterm infants. Clinical advances in neurointensive monitoring & neuroprotection are having a useful impact on rates of sever long-term neurological injury but much work needs to be done to understand basic mechanisms and develop new rational therapies. This talk will focus on use of mouse models in human brain specimens to identify putative mechanisms of white matter injuries that can lead to cerebral palsy. In particular, work from the Rowitch laboratory has shown complex roles for Wnt signaling within the myelinating oligodendrocyte lineage that may help explain white matter injuries observed in the brains of human preterm infants. The talk is intended to speak to a clinical & translational research audience & provide an update on new approaches to clinical intervention & potential new avenues of therapeutic development of infants at risk of neurological injury

LEARNING OBJECTIVES

Appreciate the role of developmental biology in understanding newborn neurological injury

Understand research tools used in study of such injuries

DESIGNATION STATEMENT

The Yale School of Medicine designates this educational activity for 1 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURES

It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs.

Appreciated current management and therapy for these disorders