

Early Detection and Intervention for Cranial Deformation in Infants

Objective

Upon completing the course, the attendee will be able to recognize common cranial deformities for the purpose of timely referral for treatment. The attendee will be able to perform some basic measurement techniques and calculations to determine baseline severity to track the head shape over time. The attendee will understand the mechanism that causes head shape deformity, as well as how it is corrected using a cranial remolding orthosis. They will also understand the instructions provided for the family and how to best help them follow them. The presentation will provide a common background for clinicians and support staff in discussing with the orthotist, cranial remolding devices and their use and care.

Agenda for the presentation

8:30am	Introductions for the speaker and topic
9:00am	Recognizing types of deformity and general causes and effects
9:10am	Visual examination and clinical classification
9:25am	Hand measurement vs digital capture devices
9:45am	Classification using 3D modeling and prediction of correction
10:15am	15-minute break
10:30am	How helmets work
10:45am	How helmets are made
10:50am	Fitting and delivery appointment procedures and Family instruction
11:35am	Discussion of head shape correction factors and interpreting comparison scans
11:45am	Question and answer period
12:10pm	Session ends

Presenter Information

Sean Greer is a Certified/Licensed Orthotist working with Miller Prosthetics and Orthotics in Parkersburg, WV and Belpre, OH. Born and raised in the Mid-Ohio valley, Mr. Greer has worked in the field of Orthotics and Prosthetics since 2000 after completing undergraduate education at West Virginia University, and became an American Board-Certified Orthotist in 2003 after successfully completing postgraduate education, residency, and certification exams. Since then he has been able to specialize in pediatric orthotics with a further subspecialty in cranial remolding. Mr. Greer has worked with university and children's hospitals, as well as with small community medical offices. He has been a guest lecturer on multiple occasions for Physical and Occupational therapy schools and associations, as well as the university of Pittsburgh Orthotics and Prosthetics master degree program. He has also been a presenter at the Orthomerica "Star Summit," which is an international gathering of cranial remolding specialists.

"Approval of this course does not necessarily imply that the WV Board of Physical Therapy supports the views of the presenter or sponsor."