

## Tutorial on the Treatment of the Upper Extremity Dysfunction in Hemiplegia

## Tutorial on the Treatment of the Upper Extremity in Hemiplegic Cerebral Palsy: An Expert Panel Case Review

Carley Vuillermin, MBBS, MPH, FRACS<sup>1</sup>; Marybeth Ezaki, MD; Douglas T. Hutchinson, MD<sup>2</sup>; Matthew Konigsberg, MD<sup>1</sup>; Ann Van Heest, MD<sup>3</sup>

<sup>1</sup>Harvard Medical School, Boston Children's Hospital, Boston, MA; <sup>2</sup>Intermountain Shriner's, University of Utah, Salt Lake City, UT; <sup>3</sup>Ann Van Heest, MD, Gillette Children's Specialtycare Hospital, Shriners Clinic Twin Cities, University of Minnesota, Minneapolis, MN

Correspondence: Carley Vuillermin, MBBS, MPH, FRACS, Boston Children's Hospital, Orthopedic Center, 300 Longwood Ave., Boston, MA 02115. E-mail: carley.vuillermin@childrens.harvard.edu

Received: January 18, 2023; Accepted: January 23, 2023; Published: February 1, 2023

DOI: 10.55275/JPOSNA-2023-653

## **Abstract**

The objective of this tutorial is to present a patient with hemiplegic cerebral palsy affecting the upper extremity. This patient will serve as an example of the importance of serial examinations, discussion with the patient and family about the desired functional goals, and treatment options available to the orthopaedic surgeon. It may also serve as an illustration of the benefits that surgical intervention may provide and the difficulty of achieving balance. It is important to appreciate the role of the occupational therapy team both before and after surgery, in terms of understanding functional deficits, and in terms of maximizing function.

This tutorial consists of a case review, panel discussion, and case outcome.

## **Disclaimer**

The authors have no conflicts of interest to report.



Carley Vuillermin, MBBS, MPH, FRACS



Marybeth Ezaki, MD



Douglas T. Hutchinson, MD



Matthew Konigsberg, MD



Ann Van Heest, MD