

WORLD PHYSICAL MEDICINE AND REHABILITATION CONFERENCE

November 12-13, 2018 Istanbul, Turkey

Glenohumeral deformities in obstetrical plexus palsy

Ismahene Halima Beressa
Oran University of Medicine, Algeria

The glenohumeral deformity results from a muscle imbalance between internal rotator and external rotator muscles of the shoulder. This muscle imbalance is expressed clinically by the decrease of the shoulder's passive external rotation. Their study is fundamental in order to assess the repercussions of this imbalance, especially preoperatively. We compare the results of shoulder's CT scan or Remote Medical Imaging of 36 children presenting a POPB with the extent of the paralysis but also with the degree of passive external rotation. The patients were followed since their birth. Shoulders passive and active external rotations were noted regularly during the first three years of life (every month the first year, every three months in the second years and at last every six months). Finally shoulders CT scan or RMI were performed at three years of age the result was as follow: 61 percent of the shoulders were classified (stage-3 or plus according to Friedman). The importance and frequency of glenohumeral deformities are the same in both C5C6 and C5C6C7 paralysis. They are much more serious in total paralysis (100 percent of children were classified Friedman IV or V). The glenohumeral deformities are more important when the passive external rotation decreased lower than 30°. In our study clinical and radiological evaluation of obstetrical shoulders has objectified: The glenohumeral deformities were most serious at three years age, joint stiffness can be observed during the first months of life and the importance of glenohumeral deformity is inversely proportional to the degrees of shoulders passive external rotation. For this reason they must be researched during the first years of life especially when we observe shoulders joint stiffness.

Biography

Ismahene Halima Beressa has completed her PhD from University of Oran and Postdoctoral studies from University of Oran. She is working as an Associate Professor at University of Oran since 2016. She is a Hand Surgeon and Obstetrical Brachial Plexus Palsy Surgeon. She has published many papers in national and international reputed journals.

ismahene_beressa@yahoo.fr

Notes: