COMPARISON BETWEEN TWO REHABILITATION PROTOCOLS TO MAINTAIN FUNCTIONAL MOBILITY OF UPPER LIMBS AFTER BURN INJURIES (V006)

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The burn injury on upper limb is often source of retraction on the anterior and/or posterior column. The joint mobilizations and postures are used to obtain cutaneous suppleness and a better mobility. Nevertheless, the pain and the feeling of stretching lead the patient to have a motionless position. The protection can be at the origin of a minor conflict of the humerus head. It can pull additional joint pain and cause functional problems. Indeed, the body schema can be changed in particular if the burn is on the dominant upper limb and the global posture can be disturbed. Our aim is also to avoid the motionless position, to win mobility as fast as possible and to restore the functionality of the upper limb. Since January 2013, we acquired a motorized rotating platform named Huber Motion lab. This new rehabilitation device allows us to work on joint mobility, stretching and postural control. It’s an oval platform which performs rotating movements with variable amplitude and speed. Therefore, the patient is given a stretching position, working in slow speed, the device makes oscillatory movements to obtain cutaneous suppleness and better mobility. We evaluate the effects of training in a study (the platform vs classic physiotherapy protocol) since two years and we want to give you the first results concerning articular, cutaneous and standing repartition and static maintain.