

Serial casting of both wrists in a 15-years old girl with SMA2. A case story

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Some persons with SMA2 develop ulnar deviation and flexion of their hands, often leading to contractures that deteriorate hand function.

A 15-year-old girl with SMA2 developed a 90 degrees ulnar flexion of both hands. Her wrists had started aching, she was unhappy about the look of her hands, and worried whether she would still be able to operate her electric wheelchair in future. She was unable to perform any active movements in her forearms and hands against gravity.

In an attempt to redress her wrists serial casting was performed. In this way it proved possible to redress both hands from an ulnar deviation of 135 degrees to 180 degrees. Left hand was casted five times and right hand six times.

She lost no functions. She gained the possibility to put on make-up, suffered no more pain in her wrists, and was very satisfied with the look of her hands. Afterwards, the redressed hands were treated with orthoses and suspension of the forearms to get the best position to prevent relapse and perhaps make it possible to stop use of orthoses during daytime.

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