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TMR Treatment Cycle

Assessment

Examination of clinical assesments and functional tests to decide on TMR surgery and fitting. Providing recommendations and detailed information for the patient.

Therapy

Preparing the patient for TMR surgery. (Rehabilitation stage 0)

Surgery

Selective transfer of the residual arm nerves to other target muscles. (TMR = Targeted Muscle Reinnervation)

Post-surgery Training

Apart from the classical post-surgery treatment, the focus in this phase is on mental training which supports the neuromuscular reinnervation.

Signal Training

The specific intended movement and the optimum electrode position are defined for each reinnervated muscle. Intense training of the signal control and separation of the Myo signals.

Production

Fabrication of various test sockets and final TMR prosthesis according the rehabilitation process.

Fitting

Final TMR prosthesis fitting with up to 6 electrodes embedded in the socket. (Rehabilitation stage 3)

Prosthesis training

The user learns how to correctly handle the prosthesis in everyday life. Following the prosthetic training concept of upper extremity. (Rehabilitation stage 3)

Follow-up

Follow up checks and continuous support after final fitting.

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