

Do you want to know more about MoreGrasp?

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registration and more information about project and partners

CONTACT THE PROJECT COORDINATOR
send an e-mail to gernot.mueller@tugraz.at

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MoreGrasp

Restoring **Grasp**
in spinal cord injury



MoreGrasp is funded by the
European Union

EU ICT Programme Project H2020-643955



The MoreGrasp team



Heidelberg University Hospital



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What is the MoreGrasp Project ?

Persons with a high spinal cord injury are wheelchair-bound and have a loss of arm and hand function. Our international team is developing a thought-controlled grasp neuroprosthesis for these persons. This neuroprosthesis will allow people with spinal cord injury to grasp objects again. After a training programme, the user should be able to carry out everyday movements with their hands.



PROF. DR. MÜLLER-PUTZ
Project coordinator, about MoreGrasp

“ In MoreGrasp, spinal cord injured people are the center of our research. Therefore, we ask you to participate in the project. Together, we will contribute to the next generation of neuroprostheses for grasp restoration. ”

Call for participation

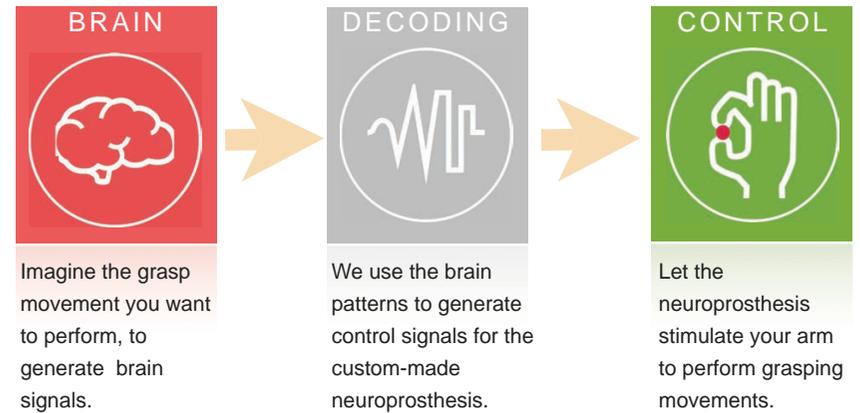
You can participate if you:

- have a traumatic spinal cord injury for at least 9 months,
- have a lesion at height C4-C5 and are not artificially ventilated,
- cannot move your hand and fingers,
- can still move your elbow and shoulder,
- are older than 18 years,
- and have an environment which can support you actively.



You are not sure if you can be a participant? **contact us** anyway!

How does the neuroprosthesis work ?



A **brain-computer interface** is used to record the brain signals and determine which movement you want to perform.



The **neuroprosthesis** allows you to perform grasps. This is done with small electrodes that stimulate your muscles.

How can you register? You can register online at our project's website www.moregrasp.eu, simply by following the link to the registration platform.

How long will the study last? A maximum of 3 months. During this time there will be various tests and trainings in your home and maybe a research center. Of course you can quit at any time without any disadvantages for your medical care.

Are there any risks? No, there are no risks. Occasionally during the electrical stimulation, spasticity can increase while triggering tetanic contractions, but this is easily resolved.