

Influence of Physical Exercise on Neuroplasticity and Sensorimotor Networks in Older Adults

NCT07438808

Status	RECRUITING
Phase	Not Applicable
Sponsor	Universite du Littoral Cote d'Opale
Enrollment	66 participants

Key Eligibility Criteria

Inclusion (5)

- Men or women aged 20 to 35 for the younger group and 65 to 80 for the older group.
- Healthy right-handed or left-handed subjects.
- Subjects who have signed an informed consent form.
- Ability to understand spoken and written French to follow study procedures.
- Subjects affiliated with or beneficiaries of a social security system.

Exclusion (9)

- History of psychaitric disorders : individuals with mental retardation or severe impairment of cognitive, behavioral, or emotional functions that prevent them from understanding the protocol and signing the informed consent form.
- Neurological history (epilepsy, stroke, brain or spinal cord surgery, and history of neurological diseases affecting motor skills and sensitivity, such as multiple sclerosis, neurodegenerative diseases such as Parkinson's or Alzheimer's).
- Inability to give informed consent (e.g., dementia, significant hearing impairment, insufficient language proficiency).
- Contraindications to TMS and tDCS : uncontrolled epilepsy, intracranial metallic foreign body, hearing aid or cochlear implant, implanted stimulator or pump, scalp skin lesion, high intracranial pressure, cerebrospinal fluid shunt).
- Presence of a cardiac pacemaker or other implanted electronic medical device.

... and 4 more (see full listing online)

Locations (1 total)

Eurasport, Loos, Nord, France