

# Quatitative MRI of the Spinal Cord in Cervical Myelopathy: Assessment of Microstuctural Damage for Outcome Improvement

NCT06486038

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Istituto Clinico Humanitas
Enrollment	100 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Subjects willing and able to give informed consent for participation in the study.
- Age 18-80.
- Subjects under evaluation for potential surgical intervention of anterior cervical discectomy and fusion as established by a board-certified neurosurgeon based on clinical and radiological findings according to good clinical practice.
- Grade I-III single level sub-axial (C3-C7) cervical spinal canal stenosis (Kang, AJR 2011) on a preliminary anatomical MRI.
- Deficitary or irritative cervical spinal cord symptoms and/or signs in concordance with MRI findings.

### Exclusion (7)

- Subjects unable o.r unwilling to give informed consent .
- Age  $\lt 18$  or  $\gt 80$
- Subjects with pacemaker or any other contraindication to undergo high-field (3 Tesla) MRI exam.
- Pregnancy or planned pregnancy before the end of the study .
- Co-existing or prior neurological disease of the brain, SC, or peripheral nervous system.
- ... and 2 more (see full listing online)

## Locations (1 total)

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IRCCS Istituto Clinico Humanitas, Rozzano, Italy