

# Interdisciplinary collaboration

Interdisciplinary collaboration is the cooperative interaction among experts from diverse disciplines—such as medicine, nursing, neuroscience, radiology, oncology, psychology, and engineering, who share their expertise to advance research, improve patient care, and foster innovation.

## □ In Clinical and Research Contexts:

In oncology, it might involve neuro-oncologists, radiation oncologists, neurosurgeons, neuroradiologists, and molecular biologists working together to manage brain metastases.

In neurosurgery, it can mean collaboration between engineers, neurologists, data scientists, and rehabilitation specialists to improve surgical outcomes and recovery.

In CIMARa it involves stakeholders from both clinical practice and basic science, across institutions and countries.

## □ Benefits of Interdisciplinary Collaboration:

A broader understanding of complex problems

More innovative solutions

Shared responsibility and decision-making

Enhanced learning across specialties

Improved patient outcomes and satisfaction

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