

□ Disruptive Research

□ Scientifically Decorative Definition

Disruptive research refers to scientific work that challenges existing paradigms, redefines clinical standards, or introduces novel tools or frameworks that significantly alter the way a field thinks, practices, or organizes knowledge. It doesn't just add data — it reshapes direction.

□ Clinically Transformative Definition

In neurosurgery, disruptive research is what makes you rethink your next case.

It introduces:

A new surgical approach that rewrites an algorithm

A biomarker that changes how we classify tumors

A randomized trial that overturns current standard of care

A technology (e.g. AI, tractography, intraop tools) that transforms intraoperative decision-making

It's the kind of research that doesn't just fit into the field — it moves it.

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