

# Granularity

**Definition:** Granularity refers to the **level of detail** with which clinical, surgical, imaging, or research data are described, captured, or analyzed.

In neurosurgery, high granularity implies **fine-resolution information**, enabling **precise decision-making**, **accurate targeting**, and **differentiation of subtle clinical or anatomical features**.

## Examples:

- **\*Clinical data\*:** A granular database includes histological subtype, WHO grade, molecular profile, and intraoperative events.
- **\*Imaging\*:** High-granularity MRI distinguishes between tumor margins, peritumoral edema, and radiation necrosis.
- **\*Surgical navigation\*:** Submillimetric granularity in neuronavigation enhances resection precision.
- **\*Outcome reporting\*:** Lack of granularity may obscure the difference between transient deficits and permanent morbidity.

**Related terms:** [Resolution](#), [Precision](#),

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