

Overreliance

Overreliance refers to the excessive or unjustified dependence on a tool, technology, or method, often at the expense of critical thinking, professional judgment, or alternative approaches. It can lead to diminished adaptability, reduced vigilance, or inappropriate application in complex situations.

In [neurosurgery](#), overreliance may manifest as:

- Blind trust in [3D virtual reality](#) or [3D printed models](#) without cross-verifying with traditional [2D imaging](#) or intraoperative findings
- Neglecting clinical reasoning in favor of algorithmic or simulation-based outputs
- Assuming that [enhanced realism](#) inherently improves [surgical outcomes](#)

Overreliance on unvalidated technologies may compromise [patient safety](#) and create a false sense of preparedness. Proper integration requires maintaining a balance between innovation and evidence-based practice.

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