

Advances and Technical Standards in Neurosurgery

<https://www.springer.com/series/578>

Critical Review: Advances and Technical Standards in Neurosurgery

Type: Book series (Springer) **ISSN:** 0095-5127 **Indexed in:** PubMed, Scopus, Embase **Impact Score (2024):** ~0.91 **SJR:** 0.282 (Q3 in Medicine - Miscellaneous) **h-index:** 32

□ Scope and Format

- Not a journal, but a **longstanding book series** (since 1973).
 - Each volume typically includes:
 - **Scientific overviews** on emerging topics (e.g., gene therapy, intraoperative imaging).
 - **Technical standards** chapters on operative anatomy and approaches (e.g., orbital, endoscopic, skull base).
 - Written by leading European neurosurgeons; edited volumes.
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□ Strengths

- Combines **state-of-the-art science** with **operative technique**.
 - Rich in **illustrations**, MRI and intraoperative photos.
 - Written by **renowned contributors**: Sindou, Dolenc, Di Rocco, Fahlbusch.
 - Ideal for neurosurgical residents and practicing surgeons.
 - Described as “required reading” in some training curricula.
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△ Limitations

- Chapters may **age quickly**, unlike journal articles with faster publication.
 - Some chapters offer only **introductory coverage** on complex topics.
 - **No peer-review** in the traditional journal sense.
 - **Language inconsistencies** may be present (non-native English).
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Scientific Metrics

Metric	Value	Notes
Impact Score	~0.91	2024 value (↑ from 0.63 in 2023)
h-index	32	Citation depth of most cited chapters
SJR	0.282	Q3 in “Medicine (miscellaneous)”
Format	Book series	Not a peer-reviewed journal

Audience and Use

- Best for:
 - Neurosurgery trainees (technique and decision-making).
 - Educators seeking structured, illustrated content.
- Less suitable for:
 - Researchers needing fast dissemination of new findings.
 - Authors seeking peer-reviewed original research outlets.

Conclusion

“Advances and Technical Standards in Neurosurgery” is a **hybrid educational series** merging surgical anatomy and innovation. It excels as a **teaching reference** but lacks the agility and impact of top-tier neurosurgical journals.

Official Springer Series Page PubMed PMC Impact metrics on Resurchify

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