

# Anatomical Record

## □ General Information

\*The Anatomical Record\* is a peer-reviewed journal published by Wiley on behalf of the American Association for Anatomy (AAA). Founded in 1906, it focuses on morphological, developmental, and histological studies in human and comparative anatomy.

- **Impact Factor (2024):** ~2.0
- **Frequency:** Monthly
- **Access:** Hybrid (subscription + open access)
- **Publisher:** Wiley / American Association for Anatomy

## □ Scope and Relevance

### Strengths:

- Strong focus on **3D imaging, morphometry, and tissue architecture**.
- Useful for research on **muscle regeneration, adipose grafting, and neuroanatomical mapping**.
- Includes detailed anatomical visualizations for teaching and reference.

### Limitations:

- Often **descriptive rather than mechanistic** in nature.
- Clinical relevance is limited unless directly linked to surgical or diagnostic applications.
- Scope includes articles on non-human models or paleontology, which may dilute medical interest.

## □ Scientific Rigor

- High-quality **methodological detail**, especially in imaging and histology.
- **Statistical analysis** is sometimes minimal or secondary to qualitative descriptions.
- **Peer review process** is consistent, but impact depends heavily on the article's topic and depth.

## □ Usefulness for Neurosurgeons

### Potentially useful for:

- **Neuroanatomical variability** in skull base, cranial nerves, or spinal anatomy.
- Preclinical models for **tissue engineering** or **nerve repair**.
- Educational resources (e.g., 3D reconstructions, anatomical atlases).

**Less useful for:**

- Clinical outcomes, surgical techniques, or evidence-based neurosurgical practice.
- Rapidly evolving fields like neuro-oncology or functional neurosurgery.

**Weaknesses**

- **Fragmented scope:** spans from fossils to human bioprinting, lacking thematic focus.
- **Language clarity** varies depending on the author's origin and editorial attention.
- **Open-access fees** are high (~3000 USD), which limits global accessibility.

**Comparison Table**

Journal	Impact Factor	Primary Focus	Target Audience
*The Anatomical Record*	~2.0	Histology, anatomy, 3D reconstruction	Anatomists, educators
*Journal of Anatomy*	~2.5	Classical and developmental anatomy	Academic researchers
*Clinical Anatomy*	~2.4	Applied and surgical anatomy	Surgeons, clinicians
*Brain Structure and Function*	~4.0	Neuroanatomy and functional mapping	Neuroscientists, neurologists

**Conclusion**

\*The Anatomical Record\* is a respected but mid-tier journal in anatomical sciences. It provides value to researchers in structural biology and educators in anatomy, but it has limited direct utility for high-impact clinical neuroscience or evidence-driven neurosurgery.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

[https://neurosurgerywiki.com/wiki/doku.php?id=anatomical\\_record](https://neurosurgerywiki.com/wiki/doku.php?id=anatomical_record)

Last update:

**2025/06/26 00:11**

