

ANTITROCHANTER

Meaning: Antitrochanter: a bony prominence located near the greater trochanter of the femur, serving as an anatomical landmark and attachment site for muscles in the hip region.

1. The antitrochanter serves as a crucial anatomical landmark in the study of hip joint mechanics.
2. In some species, the antitrochanter provides additional muscle attachment points for enhanced locomotion.
3. Surgical procedures involving the hip often require careful consideration of the antitrochanter's location.
4. The antitrochanter can vary significantly in size and shape across different vertebrate species.
5. Understanding the role of the antitrochanter can improve our knowledge of evolutionary adaptations in mammals.
6. Anatomists often highlight the antitrochanter when discussing the pelvis's structural integrity.
7. The presence of a well-defined antitrochanter may indicate a creature's capacity for agile movement.
8. In paleontology, the antitrochanter is often used to identify fossilized remains of ancient animals.
9. The study of the antitrochanter can reveal insights into the biomechanics of bipedalism.
10. Researchers are investigating the evolutionary significance of the antitrochanter in various animal lineages.

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