

Articulating Femur

ID: 2012-022

Executive Statement:

An innovative skeletal model designed to enhance the understanding and teaching of hip angles and leg posture.

Technology Overview:

The Articulating Femur is a meticulously designed skeletal model focusing on the leg's femur, incorporating added articulations for the angle of torsion and inclination. This invention is specifically engineered to aid educators and professionals in athletic training, physical therapy, medical schools, and orthopedic offices, providing a hands-on learning experience for understanding hip angles and leg posture.

Key Advantages:

- Enhanced teaching tool for complex anatomical concepts
- Interactive learning through adjustable angles of torsion and inclination
- Direct application in athletic training, physical therapy, and orthopedic education
- Facilitates a deeper understanding of leg posture and hip mechanics

Problems Addressed:

- Lack of interactive and adjustable models for teaching hip and leg anatomy
- Difficulty in illustrating and understanding dynamic hip angles and leg postures
- Gap in hands-on learning tools available for medical and orthopedic education

Market Applications:

- Educational tools for medical schools and orthopedic training programs
- Training aids for athletic trainers and physical therapists
- Orthopedic offices seeking advanced models for patient education