

Insights into Clinical and Biologic Aspects of Tendon Biology, Mechanics and Repair

Jo A. Hannafin, MD PhD, Hospital for Special Surgery, Weill Medical College of Cornell University, New York, NY

The talk will be comprised of three distinct sections:

1. Review of common tendon injury encountered in the clinical situation, the clinical significance of those injuries and current approaches to treatment. This will provide the basic scientist with an overview of the clinically relevant questions that currently exist in tendon injury and repair.
2. A discussion of currently available in vivo small and large animal models for the study of tendon disease and repair.
3. A detailed scientific review of the mechanical (tendon overload and stress deprivation) and biologic factors (the role of aging, vascularity and matrix metalloproteinases) in the pathogenesis of tendon disease and response to treatment.

This will set the stage for presentations to follow in the areas of tendon development and cellular responses to mechanical and biologic stimuli to be presented by Drs. Schweitzer, Banes and Wang.