

ABSTRACT	TITLE	AUTHOR(S)	INSTITUTION	
#10	Rabbit Patellar Tendon Defects: A Journey in Animal Model Development	Elise Trowel	Tufts University	Abstract

ASR-26-10

Rabbit Patellar Tendon Defects: A Journey in Animal Model Development

Elise Trowel, Tufts University

In surgical research, animal model development can be a source of excitement, but can also be one of the most challenging aspects of the field. These challenges can include navigating lack of procedural descriptions in published literature, absence of a readily accessible network of procedural experts, and pioneering the development of a previously unestablished animal model.

This presentation shares the journey of adapting a published rabbit patellar tendon defect animal model to fit the needs of a novel therapeutic for a tendon regeneration pilot experiment. Through extensive research, collaborative problem-solving strategies, and technical refinements, a successful model was created for the needs of the study that yielded positive outcomes. Through sharing this journey and our methods for animal model development, we aim to help others in addressing challenges during their own model creation and refinement.