

Title:

Tufts Comparative Pathology Services and Animal Histology Core

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Abstract:

The Tufts Comparative Pathology Service (CPS) and Animal Histology Core (AHC) are shared resources for animal researchers across the Tufts and Tufts Medical Center research community. Our team of professionals includes a board certified veterinary pathologist specializing in comparative pathology, two certified histologists, and a certified laboratory animal technologist trained in veterinary pathology. The CPS and AHC provide training in anatomy, tissue collection, preparation of tissues for histology, and evaluation of tissue for pathology. We provide histology and pathology expertise during project design and budget development, experimental disease studies, phenotyping of genetically engineered mutant animals, toxicology studies, and unexpected morbidity or mortality events. Histology services for animal tissues include research immunohistochemistry, cryosectioning, special stains, and rodent embryonic and fetal sectioning. Tufts CPS and AHC consults and services can be utilized on any project involving normal or abnormal animal tissues to save investigators time and money, while benefitting from the tips, experience, and knowledge of our staff. This specialized resource combines technical expertise, broad-based comparative anatomy and pathology knowledge, project design, specialized instruments and equipment, and quality assurance to fill just a few project requests or to assist more intensively as needed.