



Sparks Brain Preservation

A Non-Profit Organization | Established 2005

HQ: 3265 Marietta St SE, Salem, OR

503-585-2781 (24/7)

<https://sparksbrain.org>

Case Report - Pet Patient 11 - 2025

Case Background

Feline

Case Data

Day 0 - Wednesday - The pet patient was euthanized at a local veterinary clinic.

Day 1 - Thursday - The family reached out for pet preservation services informing us that their pet passed the day prior and was in refrigeration at the veterinary clinic.

- The family had called around to local veterinary offices to see if any would be willing to perform chemical preservation. It was ultimately decided that they would ship the pet to our facility overnight on dry ice.

Day 2 - Friday - The patient arrived at our facility. The surgical procedure began immediately, including cephalic isolation and removal of the top of the skull. The entire cephalon was placed into a solution of 10% neutral buffered formalin and placed into refrigeration for future brain isolation. This initial *in situ* fixation was done because of a concern for damaging the unfixed brain after this period of ischemia, and because the relatively small size of the pet's brain made it so that the fixative would still penetrate relatively quickly under these preservation conditions.

Day 6 - Tuesday - After 4 days of *in situ* immersion fixation, the brain removal was performed.

- The pet patient's fixed brain was placed in a fresh solution of 10% neutral buffered formalin; which was placed into refrigeration for permanent storage.