JOURNAL OF AVIAN MEDICINE AND SURGERY

Successful Neoadjuvant Chemotherapy and Surgical Removal of a Nonmetastatic Testicular Round Cell Tumor in a Solomon Island Eclectus Parrot (*Eclectus roratus solomonensis*)

Rachel Baden, Brian Speer, Michael Garner, Vanessa Hernández Urraca, and Brenna Fitzgerald

Abstract: An intracoelomic mass was palpated on an annual exam of a 24-year-old male Solomon Island eclectus parrot (*Eclectus roratus solomonensis*). The initial diagnostic workup included a complete blood count, plasma biochemistry panel, and coelomic ultrasound. Computed tomography was highly suggestive of a testicular mass. Tamoxifen and the gonadotropin-releasing hormone agonists leuprolide and deslorelin were administered as neoadjunctive endocrine therapies. Biopsy and histologic examination confirmed a testicular mass consistent with a round cell tumor. Four doses of carboplatin 15 mg/kg IV were administered as neoadjunctive chemotherapy, and testicular size decreased by approximately 95%. The remaining gross tumor was removed via orchidectomy with clean but narrow margins. Seven months following surgery, a contrast CT scan did not show any evidence of recurrence of or metastasis from the original mass. This is the first report of successful treatment of a testicular tumor in a psittacine with neoadjuvant chemotherapy and orchidectomy.