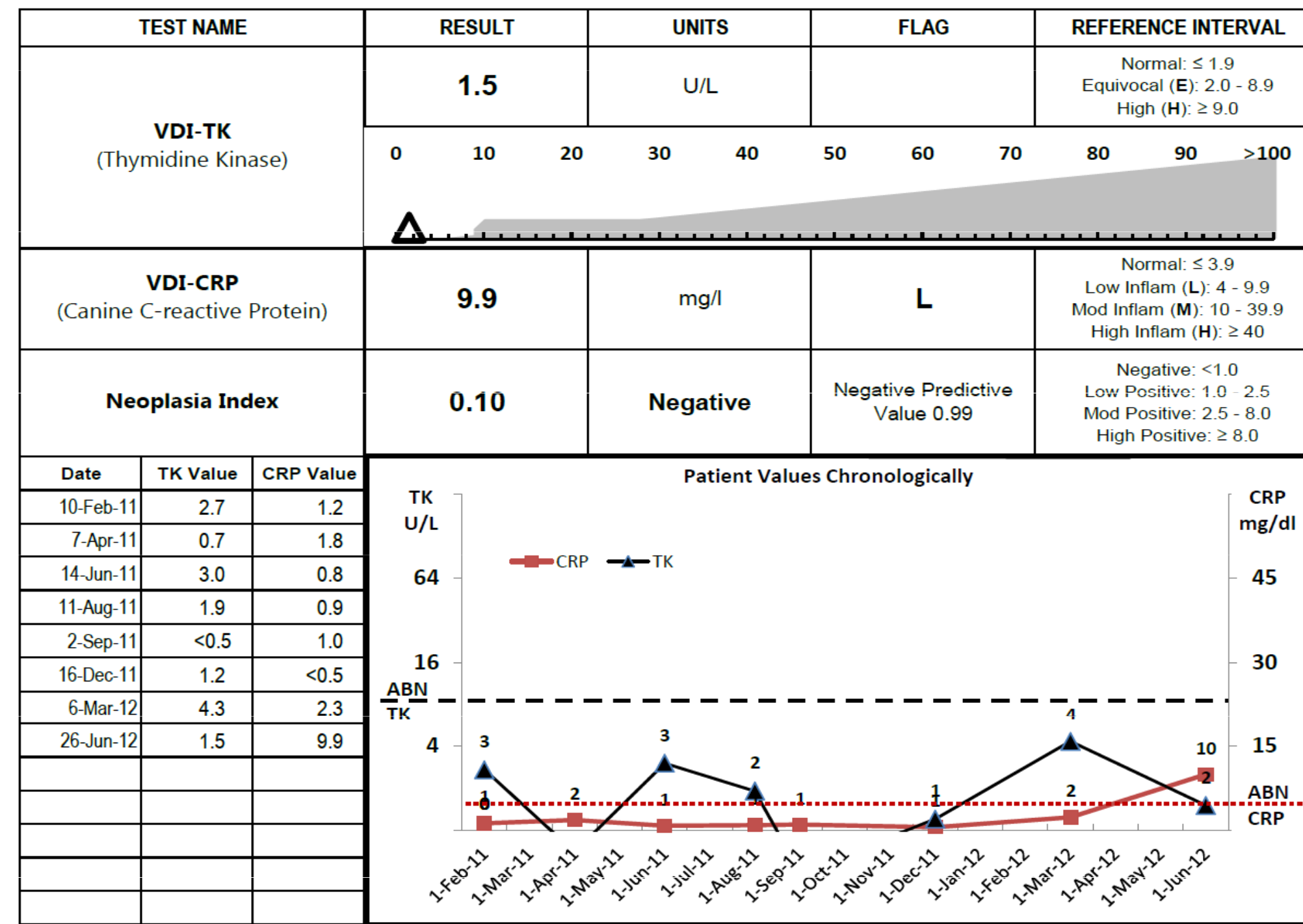


Case Studies of the Utility of VDI-TKcanine+ for Therapeutic Monitoring

VDI Laboratory



Canine T-cell, stage IVa multicentric lymphoma

Courtney Zwahlen, DVM, DACVIM (Oncology)
Southern California Veterinary Specialty Hospital

History (3/25/2010)

8.5 yrs. female spayed Golden Retriever. Presented with owner observed heavy breathing and enlarged lymph nodes.

Findings

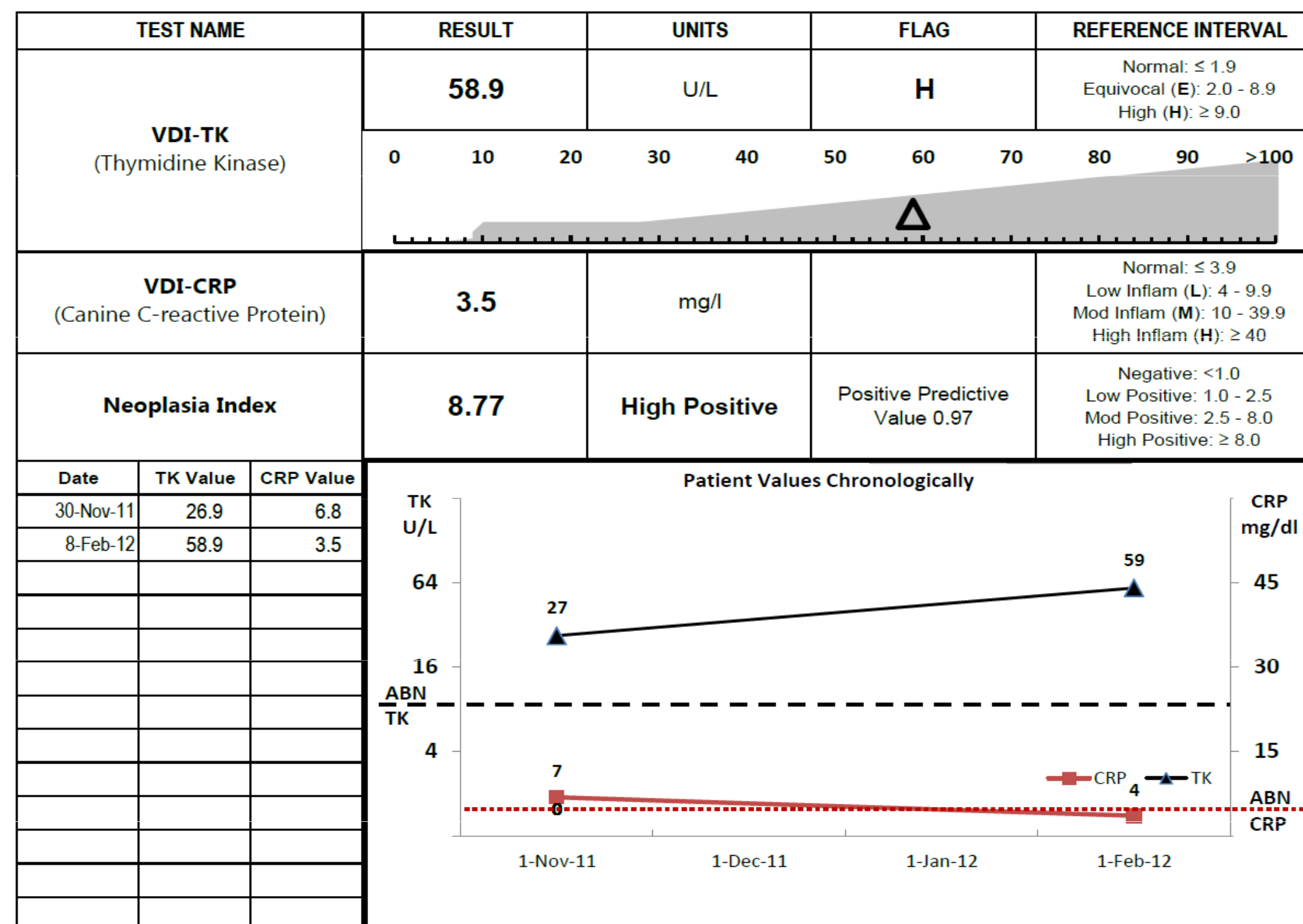
Lymph node cytology: lymphoma
Splenic cytology: lymphoma

Treatment

U of WI combination protocol: vincristine, cyclophosphamide, doxorubicin

Benefit of monitoring

VDI-TK assessment conducted during each recheck visit upon awareness of test availability. Results of blood test in conjunction with physical exam confirms patient remains in complete remission.



Canine B-cell, stage IVa multicentric lymphoma

Courtney Zwahlen, DVM, DACVIM (Oncology)
Southern California Veterinary Specialty Hospital

History (11/30/2011)

3 yrs. 10 mos. Male neutered Retriever / Lab Mix. Presented with owner observed enlarged tonsils

Findings

Lymph node cytology: lymphoma
Radiographs: splenomegaly, enlarged submandibular nodes

Induction Therapy

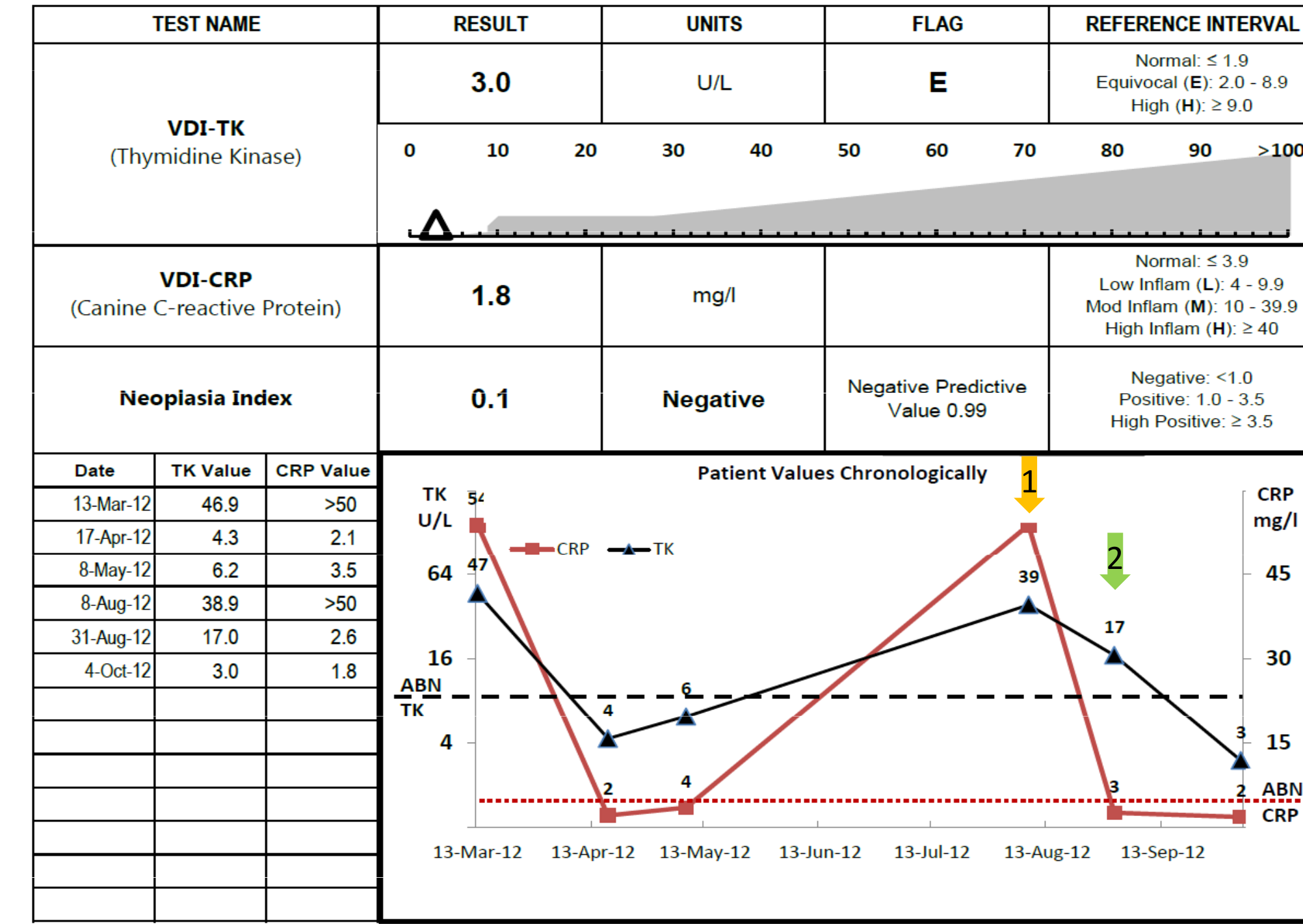
U of WI combination protocol: vincristine, cyclophosphamide, doxorubicin

Maintenance Protocol (2/8/2012)

Vinblastine IV, oral cytoxan/lasix. Treatment every 2 weeks for 4 months

Benefit of monitoring

Elevated VDI-TK recheck 2/8/2012 preceded clinical relapse by 2 weeks. As a result of the findings of cytology and TK monitoring, the decision was made to change the treatment protocol to Elspar and Lomustine.



Canine B-cell, stage IIIa multicentric lymphoma

Peter Farrell, DVM
Burnt Hills Veterinary Hospital

History (11/28/2011)

5 yrs. male neutered Bernese Mountain Dog. Referral patient in complete remission following induction therapy.

Findings (3/12/2012)

Palpably enlarged spleen and lymph nodes. Elevated VDI-TK test indicates recurrence

Rescue Therapy

U of WI combination protocol: 9-week

Findings (8/8/2012)

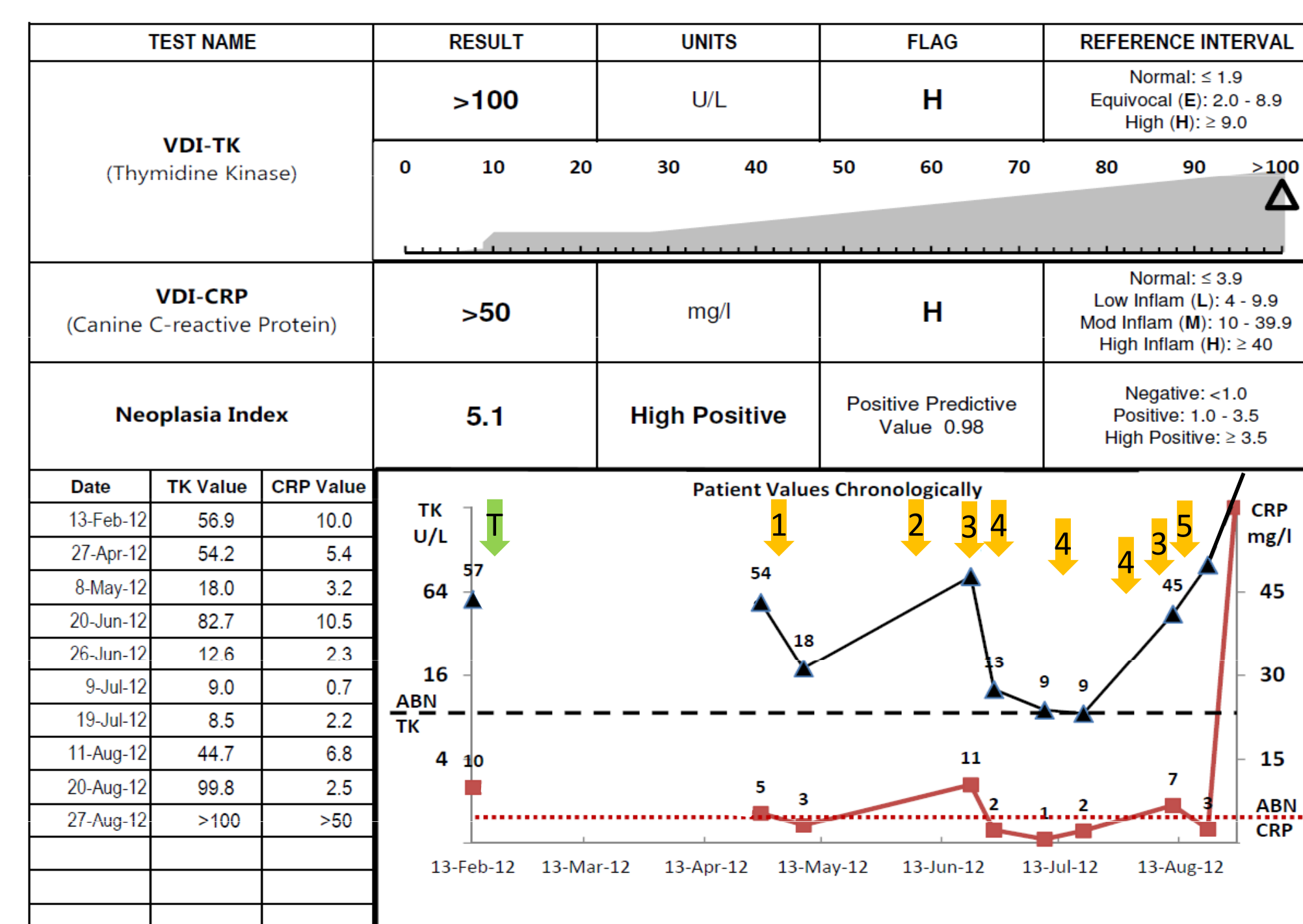
VDI-TK dramatic rise
Peripheral lymphadenopathy / FNA confirm 2nd relapse¹. (see chart)

Rescue Therapy

U of WI combination protocol: 9-week

Benefit of monitoring

VDI-TK tracked remission status. TK/CRP assessments following initiation of rescue therapy indicated successful response and predicted clinical remission². (see chart)



Canine T-cell, stage IIIb mediastinal lymphoma

Tracy LaDue, DVM, DACVIM (Oncology)
Southeast Veterinary Oncology

Patient

10 yrs. male neutered Boxer.

Findings

Presence of cranial mediastinal mass

Induction Therapy

MW w/ mitoxantrone sub for adriamycin due to presence of Boxer cardiomyopathy⁷ (see chart). Responded well initially, entered remission, then episodes of in/out remission

Rescue Therapy

Lomustine¹, Cytosar², Elspar³, Dacarbazine⁴, Dactinomycin⁵ (see chart)

Euthanized 8/28/12

Benefit of monitoring

VDI-TK tracked remission status providing response indication of rescue therapy agents.