Accuplex Lyme Algorithm

Interpreting Lyme positive results

Positive C6 Result

Patient is non-clinical

Assess for proteinuria: UA (UPC if indicated)

Positive for Proteinuria (on UPC)

- CBC/Chemistry
- Blood pressure
- Abdominal ultrasound
- Evaluate for co-infections and other infectious diseases

Consistent with Lyme Nephritis?

Negative for Proteinuria (on UPC)

- Ensure year-round tick preventive
- Periodic monitoring for proteinuria

- UA (UPC if indicated) every 3-4 months
- Accuplex
- +/- minimum database

Patient is clinically ill

Are clinical signs consistent with Lyme arthritis?

Lyme arthritis clinical signs present

- Doxycycline for 30 days
- Pain management

SIGNIFICANTLY IMPROVED WITHIN 3 DAYS

NO RESPONSE WITHIN 3 DAYS

Lyme arthritis clinical signs absent

CBC/Chemistry/UA (UPC and imaging if indicated)

Consistent with protein-losing nephropathy (PLN)?

PLN present

- Continue diagnostics and treatment as recommended by ACVIM consensus Lyme guidelines
- Evaluate:
  - Other causes of proteinuria
  - Blood pressure
  - Hypercoagulability

PLN absent

- Further work up for other causes of illness
- Canine Tick-Borne PCR panel

Monitor:
UA (UPC if indicated) every four months, CBC/Chemistry/UA with Accuplex annually

Negative C6 Result

Ensure year-round tick preventive

Less than five years of age annual wellness examination

Greater than five years of age bi-annual wellness examination

Yearly Antech Accuplex

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