

Featured Case Studies

PainTrace® Pain Monitoring System



PainTrace®

POWERED BY  BioTraceIT™



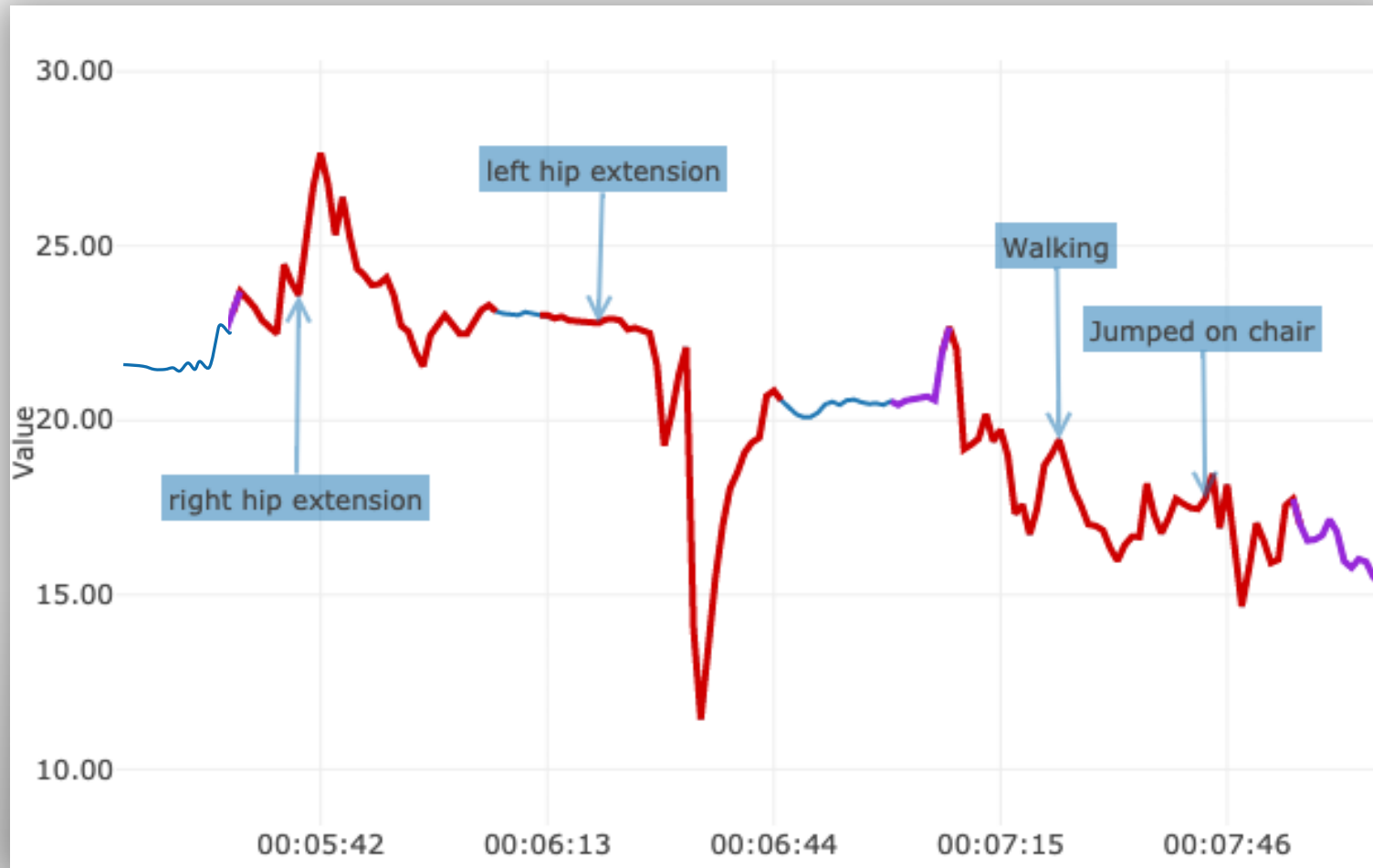
Case Study

Lumbar Spondylosis

Reason for Visit:	Uncomfortable when petted, behavior changes.
Veterinarian Observations:	Pain seen on hip extension & walking.
PainTrace® & Annotation:	Severe acute pain during hip extensions and walking / jumping. Increase in chronic pain over time. Negative baseline delta.
Diagnostic Confirmed:	Further testing confirmed cat was diagnosed with LS disease.
Treatment:	Unknown

Case Study

Lumbar Spondylosis



PainTrace® Insight:

PainTrace® findings confirmed owner's assumption of pain and supported additional diagnostic findings confirming lumbar spondylosis.



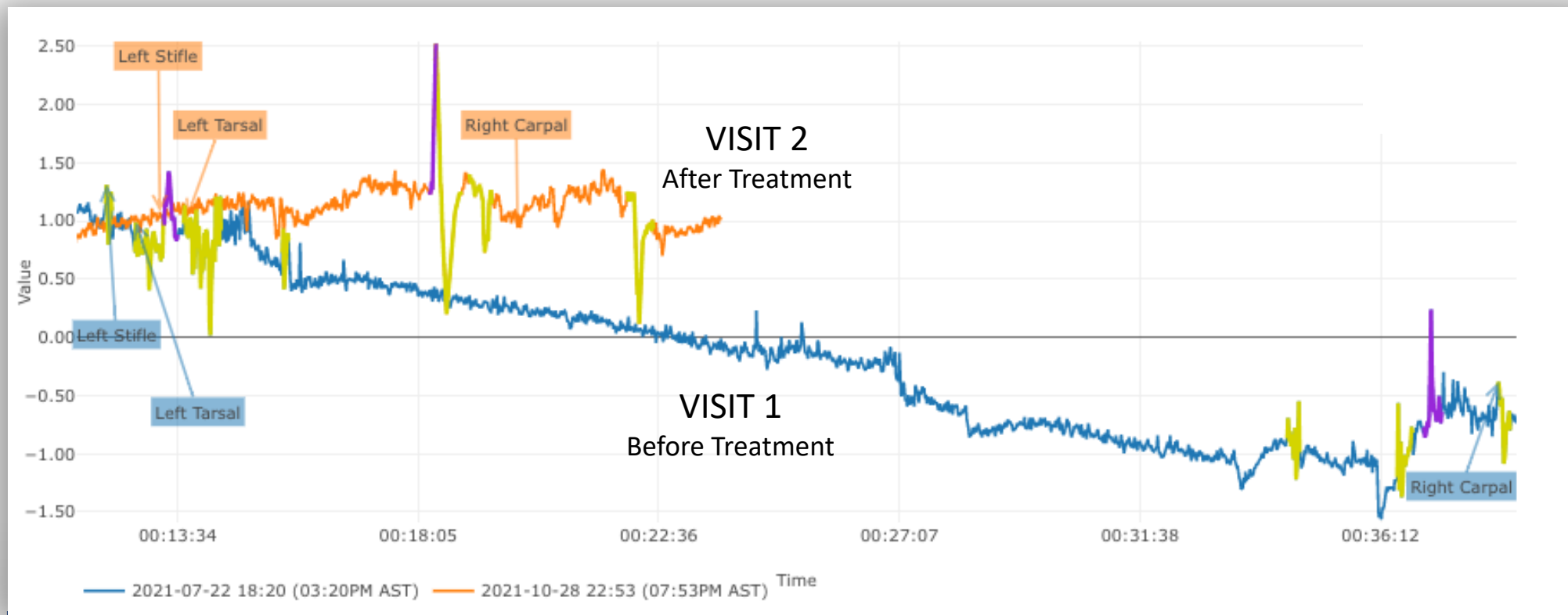
Case Study

Ligament Tear & OA

Reason for Initial Visit:	Lameness/stiffness when rising.
Veterinarian Observations:	Pain on left side stifle & tarsal.
PainTrace® & Annotation:	<p><u>Visit 1:</u> Acute pain: mild acute pain at left stifle, left tarsal and right carpal. Chronic pain: decrease in PainTrace values over time suggesting an increase in chronic pain.</p> <p><u>Visit 2:</u> Acute pain: no observed acute pain at left stifle, left tarsal and right carpal. Chronic pain: baseline values are steady above zero suggesting no chronic pain.</p>
Diagnostic Confirmed:	X-ray → Left ligament tear and OA in tarsal.
Treatment:	Stem Cell (Visit 1) and Shockwave Therapy (Visit 2)

Case Study

Ligament Tear and Osteoarthritis



PainTrace®
Insight:

PainTrace® identified the presence of acute and chronic pain, as well as helped quantify treatment efficacy by showing a decrease in pain over time.



Case Study

Osteoarthritis

Veterinarian Observations:

Osteoarthritic Pain

PainTrace® & Annotation:

Before NSAID:

Acute Pain: moderate and severe acute pain in the shoulders.

Chronic Pain: decrease in PainTrace values overtime suggesting an increase in chronic pain.

During NSAID:

Acute Pain: no observed acute pain in the shoulders.

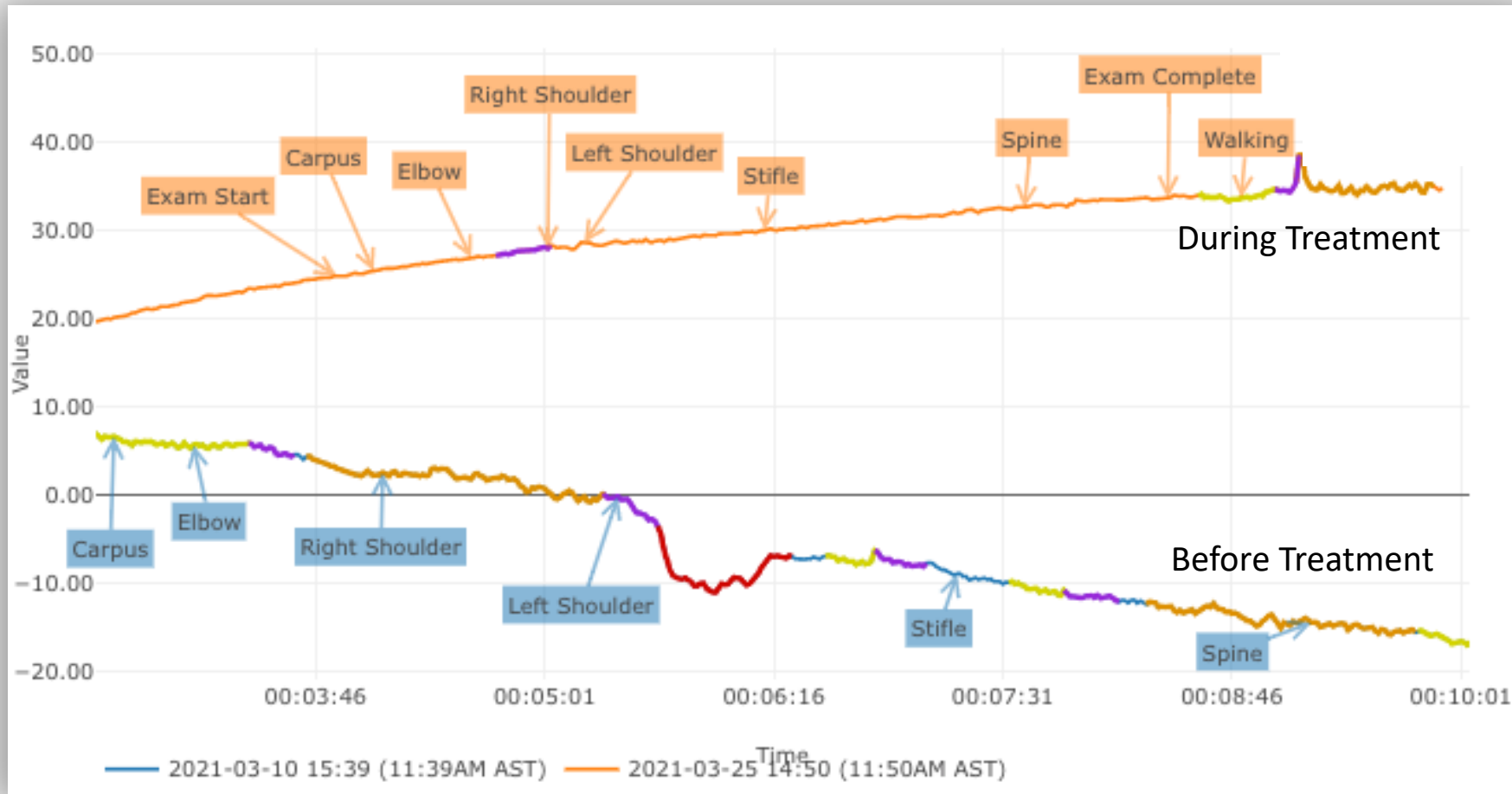
Chronic Pain: baseline values are above zero suggesting no observed chronic pain during visit 2.

Treatment:

Patient was put on NSAID regimen for 2 weeks.

Case Study

Osteoarthritis



PainTrace® Insight:

PainTrace® identified the presence of acute and chronic pain, as well as helped quantify treatment efficacy by showing a decrease in pain over time.



Case Study

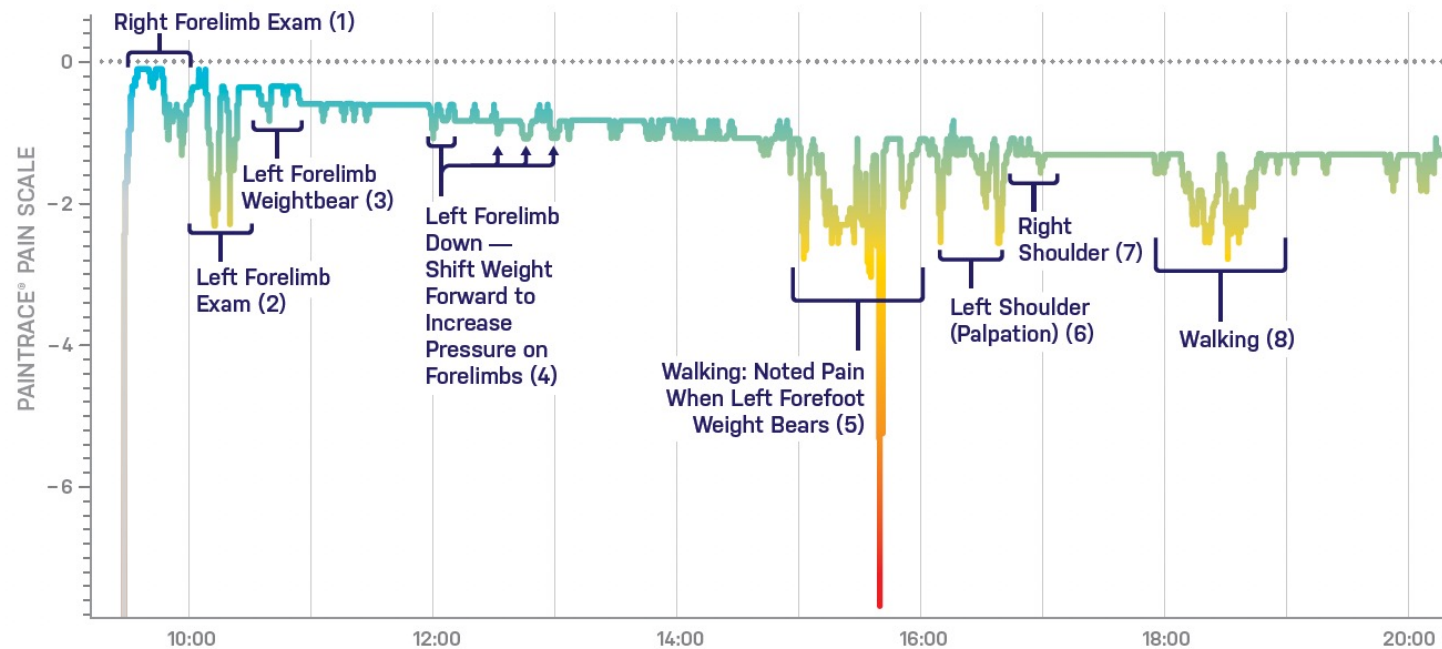
Non-Union Forelimb Fracture

Reason for Visit:	Presented with inflamed digit of left forelimb.
Veterinarian Observations:	Dog was found to be non-responsive during exam and appeared to be masking pain.
PainTrace® & Annotation:	<p>Acute Pain: mild acute pain during left forelimb exam and severe acute pain during walk when left forefoot weight bears.</p> <p>Chronic Pain: decrease in PainTrace values overtime suggesting an increase in chronic pain.</p>
Diagnostic confirmed:	Radiographs confirmed non-union fracture.
Treatment:	Amputation of inflamed digit and administration of pain medications.

Case Study

Non-Union Forelimb Fracture

Initial Examination



PainTrace® Insight:

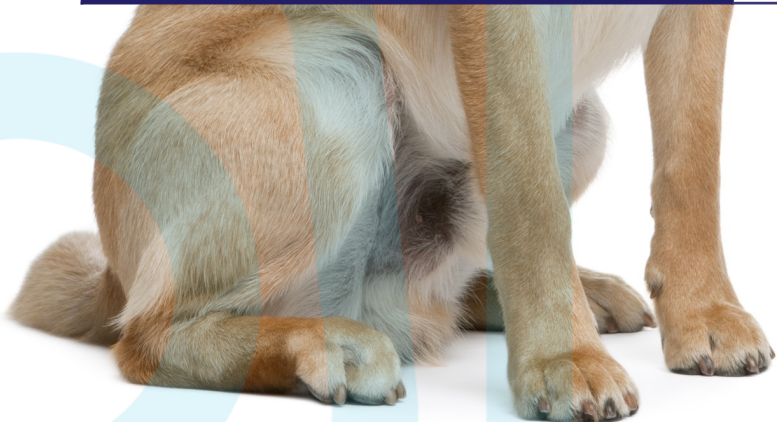
PainTrace® identified severe acute pain that was masked by patient during exam.



Case Study

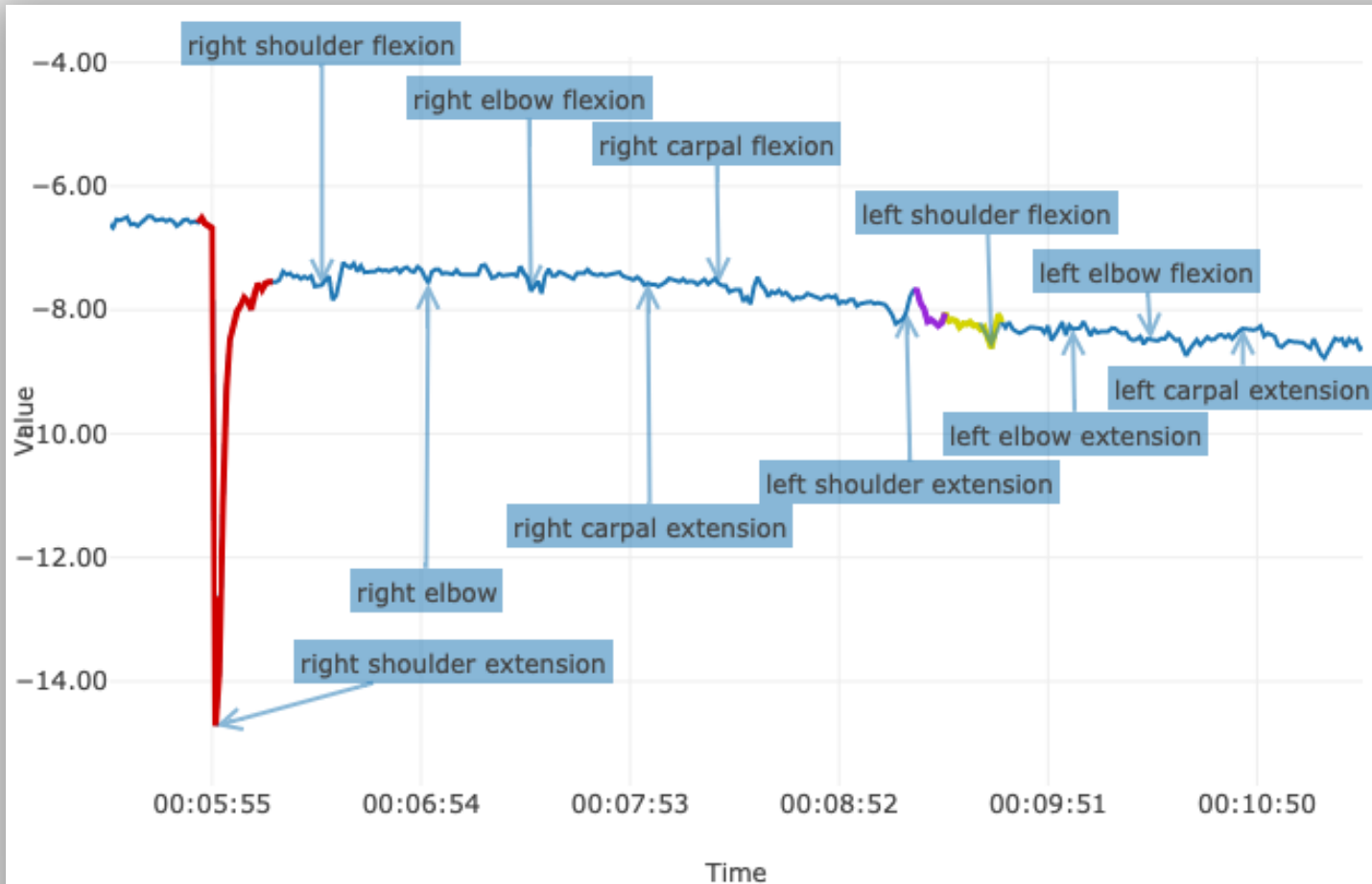
Shoulder Arthritis

Reason for Visit:	Lameness/limp for years.
Veterinarian Observations:	No clinical signs of pain during exam, no flinching.
PainTrace® & Annotation:	Severe acute pain at the right shoulder.
Diagnostic confirmed:	X-ray → Bilateral shoulder arthritis, small shoulder joint issues, biceps tendonitis.
Treatment:	Stem cell therapy



Case Study

Shoulder Arthritis



PainTrace® Insight:

PainTrace® identified severe acute pain that was masked by patient during exam, leading to further diagnostics and targeted treatment.



Case Study

Multiple Procedures Under Anesthesia

Reason for Visit:

Dog was placed under anesthesia for dental cleaning and removal of growth on the lower eyelid. During anesthesia an aggressive nail clipping was also undertaken due to the dog's resistance to nail clipping while awake.

PainTrace® & Annotation:

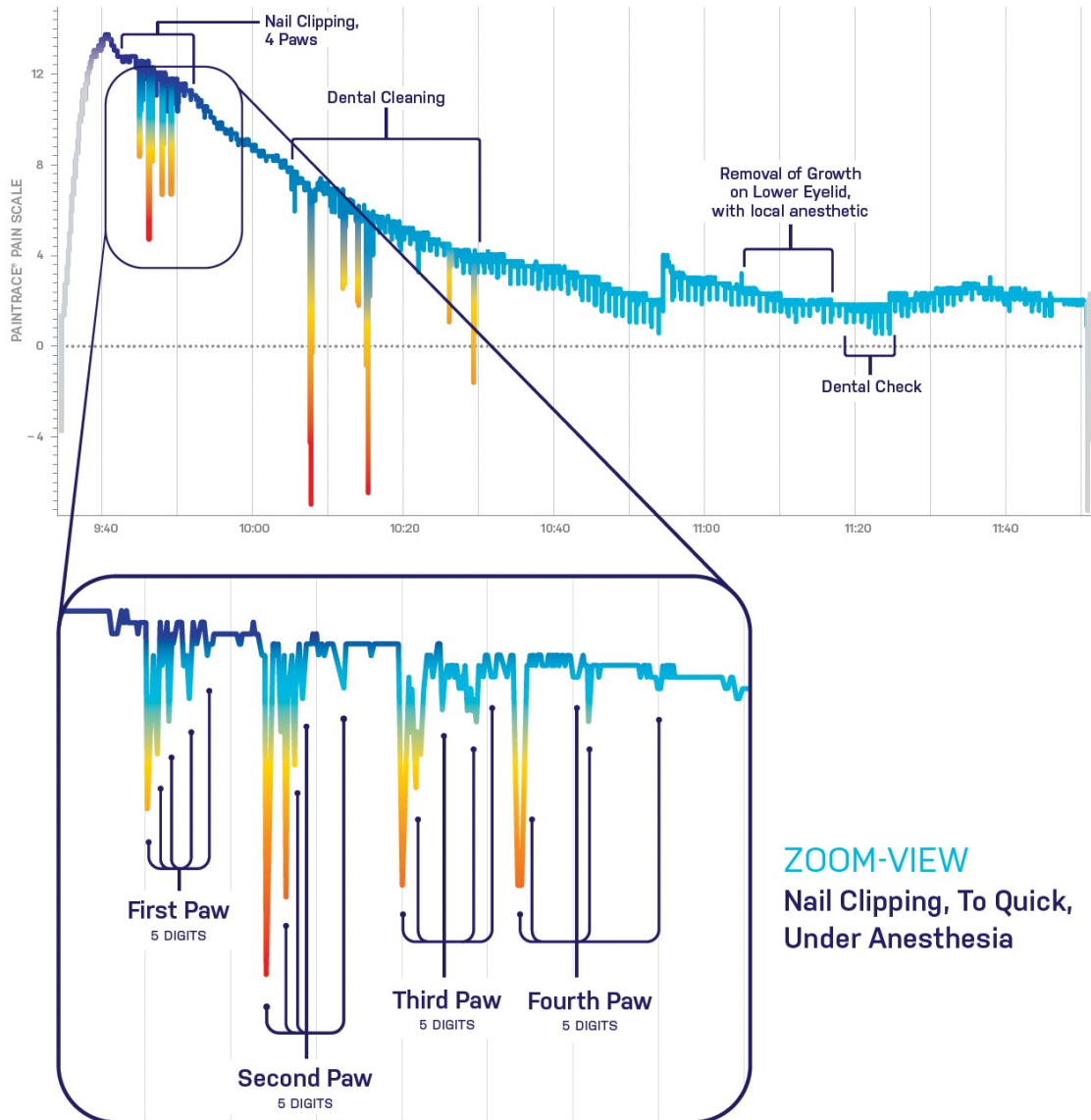
Acute Pain: moderate and severe acute pain during nail clipping and dental cleaning.

Chronic Pain: decrease in PainTrace values overtime suggesting an increase in chronic pain.



POWERED BY  BioTraceIT™

Acute Pain: Nail Clipping



Case Study

Multiple Procedures Under Anesthesia

PainTrace® Insight:

PainTrace® identified acute pain peaks (under anesthesia) and an overall increase in chronic pain throughout the procedure.

PainTrace® Pain Monitoring System



Learn More:



Detect

PainTrace offers qualitative and quantitative monitoring of acute and chronic pain in multiple species including canine, feline, equine, and bovine.



Quantify

PainTrace differentiates acute and chronic pain, measuring both magnitude and duration of the pain experience. Understanding the individual experience of pain supports targeted treatment leading the path to wellness.



Track

Speech to text allows for timestamping your examination and annotates the PainTrace graph, charting location and degree of pain. Overlay pre and post treatment PainTraces. Custom software allows for client visualization of pain.