

emLas-650 Laser Therapy Protocol - Small Animals

Terminology:

- 3+2+1 = Three treatments the first week, two the second, and one the third
- “Acute” generally refers to an orthopedic condition that is less than 10 days old, or a medical condition 1~2 days old.
- “Chronic” generally refers to an orthopedic condition that is more than 10 days old or a medical condition more than 2 days old.
- Maintenance = 1 treatment every 2~4 weeks
- NR = Not Recommend



Indication	Frequency	Dose (J/cm ²)	Therapy Time (min.)		Notes
			emLas-650B	emLas-650D	
			Irradiation Area (cm ²)		
			Power (mW)		
			Power Density (mW/cm ²)		
			32	32	
			500	700	
			15.6	21.9	
Abscess Incision	1/day for 4~5 days	4	4	3	
Drainage and Flush Abscess with Cellulitis, Incision, Drainage, and Flush	1/day for 5~6 days	4	4	3	
Allergic Pododermatitis	2~3/week or 3+2+1	3	3	2	
Amputation	Immediate	4	4	3	Post Surg 1x, Acute pain 2-3 days
Anal Sacculitis / Acute	2~3/week or 3+2+1	4	4	3	
Anal Sacculitis / Chronic	2~3/week or 3+2+1	3	3	2	
Anterior Cruciate Ligament Tear - Chronic	2/week	3	3	2	
Anterior Cruciate Ligament Tear, Full - Acute	3+2+1	4	4	3	
Anterior Cruciate Ligament Tear, Partial - Acute	3/week	4	4	3	1~3/week for 3 weeks. Exercise restriction
Arthritic Conditions	2~3/week or 3+2+1	4	4	3	Maintenance
Aural Hematoma(Post Surgery)	1/day	3	3	2	Acute inflammation 1x Immobilize ear, treat cause
Burns	1/day for 3~5 days then 2~3/week until healed	4	4	3	
Cauda Equina Syndrome	3+2+1	5	5	4	Maintenance
Cystitis/Interstitial	3+2+1	4	4	3	3~4 weeks
Cystitis/Urethritis/Feline Lower Urinary Tract Disease	3+2+1	4	4	3	Maintenance
Cystotomy	During surgery	4	4	3	Maintenance as needed
Decubital Ulcers	1/day for 3~5 days then 2~3/week until healed	3	3	2	
Degenerative Disc Disease	1/day for 3~5 days then 2~3/week	5	5	4	
Degenerative Joint Disease	2~3/week or 3+2+1	5	5	4	Maintenance
Degloving Wounds	1/day for 3~5 days then 2~3/week until healed	4	4	3	3~4 weeks
Dewclaw Removal	Immediately post-op	4	4	3	
Dorsolateral Hemilaminectomy	Immediately post-op, then 2~3x more	4	4	3	
Edema	1-2x	5	5	4	
Enterotomy	During surgery 2~3/week or 3+2+1	4	4	3	



Indication	Frequency	Dose (J/cm ²)	Therapy Time (sec.)		Notes
			emLas-650B	emLas-650D	
Feline Acne	Post surgical 1x	3	3	2	Be careful of thyroid
Feline Declaw	Immediately post-op	3	3	2	Also next day if in hospital
Feline Tail Pull injuries	2~3/week or 3+2+1	3	3	2	
Femoral Head Osteotomy	Immediately post-op	3	3	2	Also next day if in hospital
FLUTD(Feline Lower Urinary Tract Disease) - Blocked Urethra	1x to relieve blockage	3	3	2	3+2+1 for cystitis if needed(will not break up crystals but small ones may pass)
Fractures - After Surgery	2~3/week or 3+2+1	4	4	3	
Gingivitis	2~3x, based on severity	3	NR	NR	Determine acute or chronic
Hernia Repair	2~3/week or 3+2+1	5	5	4	(Not a substitute for cleaning)
Hip Dysplasia	2~3/week or 3+2+1	5	5	4	Post-op
Hot Spots	3+2+1	5	5	4	Every 3~4 weeks as needed
Inflammatory Bowel Disease	2~3/week or 3+2+1	5	5	4	Treat with other modalities, pharmaceuticals
Insect Bite/Snake Bite	1x, may need 3+2+1	3	3	2	1~3x, depending on bite severity
Intervertebral Disc Disease	2~3/week or 3+2+1	8	9	6	May need follow up treatment
Intra-abdominal	1x during Surgery	5	5	4	
Joint Injury - Acute	Once - up to 6x	8	9	6	Frequently improves after 1 treatment
Lesions	2~3/week or 3+2+1	4	4	3	
Lick Granulomas	Daily or 2~3/week or 3+2+1	3	3	2	Depends on size
Luxating Patella	3+2+1	5	5	4	Treat after surgery, not as a substitute
Musculoskeletal Pain	1~3x, once daily	5	5	4	
Myofascial Pain	2~3/week or 3+2+1	5	5	4	
Nerve Regeneration	2~3/week or 3+2+1	5	5	4	
Neuropathies	2~3/week or 3+2+1	5	5	4	
Orchiectomy Canine and Feline	Immediately post-op 1x	4	4	3	
Otitis - Acute	2~3/week or 3+2+1	5	5	4	Then every 3~4 weeks, if chronic
Otitis External - w/infection	2~3/week or 3+2+1	5	5	4	
Otitis External - w/o Infection	2~3/week or 3+2+1	5	5	4	
Otitis Media / External - Chronic	2~3/week	3	3	2	3+2+1, then once every 3~4 weeks
Ovariohysterectomy Canine and Feline	Immediately post-op 1x	5	5	4	
Perianal Fistulas	1/day for 3~5 days then 2~3/week	3	3	2	Use with pharmaceuticals
Periodontal Diseases	2~3/week or 3+2+1	3	NR	NR	Determine acute or chronic
Staph Infections - Local	2/week	3	3	2	
Sterile Pyogranulomatous Syndrome pyogranuloma / granuloma	Daily for 2~3x, then 2~3/week	3	3	2	
Stifle Surgery - TPLO/TTA	3+2+1	4	4	3	
Stomatitis	Daily (Depends how chronic)	3	3	2	Can also use 3+2+1 (6~12 treatments, then maintenance)
Tendon & Ligament Injury	2~3/week or 3+2+1	5	5	4	
Tightrope/Extracapsular	3+2+1	5	5	4	Wait 6 weeks for scar to form, then Chronic inflammation
Traumatic & Overuse Injuries	2~3/week or 3+2+1	5	5	4	
Trigger Point		3	NR	NR	Repeat every 2 days until disappearance of reactivity
Vasculitis - Non-infectious	2~3/week or 3+2+1	5	5	4	Be careful of possible thrombosis
Wounds	3~5/day	5	5	4	Decrease treatments as healing progresses