Regional Anaesthesia of the Forelimb

Technique	Quantity (Q) of the local Anaesthetic Needle size	Injection Technique	Region Desensitized	Disadvantages	Picture
Palmar Digital Nerve (PDN) Most common regional nerve block in the forelimb.	Q: 1 – 1.5ml NS: 5/8 inch, 25 gauge	The limb is held up The needle is inserted directly over the palpable neurovascular bundle (approximately 1 cm above the collateral cartilage) and directed distally. After which 1- 1.5ml of anaesthesia will be administered.	Palmar foot Distal interphalangeal joint Entire sole Skin at the bulbs of the heels.	Blocking too high in the pastern Too much anaesthetic (diffusion decrease specificity)	25 g 5/8 " needle 1-1.5 mL

Basi-sesamoid	Q: 1.5 to 2 ml	The limb in held up.	Desensitize the	Too much anaesthetic	
(high palmar	NS: 5/8 inch, 25	The palmar nerves at the base of	palmar/plantar soft	(diffusion decrease	
digital) Nerve	gauge	the proximal sesamoid bones are	tissue structures of the	specificity)	
Block		anaesthetized. After being	pastern, the PIP joint	Difficulty in palpating	
		palpated 1.5 -2 ml of anaesthesia	and all the structures	the PD nerves.	
		is deposited directly over the	of the foot.		
		nerves.	Unlikely to desensitize		
			the fetlock		
					O'MAN AND A REAL PROPERTY OF
					25 g 5/8 " needle
					1-2 mL
					PRIME.

Abaxial	Q: 1.5 to 2 ml	The fetlock in held elevated in	Desensitizes:	Too much anaesthetic	and the second
Sesamoid	NS: 5/8 inch, 25	one hand. Then the palmar nerve	Foot	used causing the	
Nerve Block	gauge	is isolated by rolling it away from	Middle phalanx	desensitization of the	and the second sec
		the artery and vein using the	PIP joint	fetlock joint or the	
		thumb or forefinger. The 2ml of	Distopalmar aspects of	sesamoid bones.	
		the anaesthetic is injected	the proximal phalanx	May not completely	
		perineurally. (use small amounts)	Distal portions of the	desensitize the skin	
			SDFT and DDFT	over the dorsal aspect	
			Distal sesamoidean	of the pastern region.	
			ligaments		and the second
			Digital annular		
			Ligament.		
					Provide the second s
					25 x 5/8 // mondle
					25 g 5/8 needie
					1.5 - 2 mL

I ow Polmor or	0.2_3 ml per	Normally done with the horse	$\pm ve$ response to a low	Inadvertent injection	
Low Fainal Of	Q. 2-5 III per	hooring weight on the log		of the fatleship int or	NO.53
Low Four-		bearing weight on the leg,	4-point block	of the fettock joint of	
point Nerve	NS: 5/8 inch 25	although it can be done holding	performed after a –ve	the digital flexor	
Block	gauge	the leg.	response to abaxial	tendon sheath.	
	1 inch 22 gauge	The lateral and medial palmar	sesamoid nerve block,	Proximal diffusion of	
		nerves lie between the suspensory	localise the site of the	the anaesthetic that	
		ligament and DDFT 2-3 ml of	pain causing lameness	may desensitize the	
		local anaesthetic is deposited	in to the fetlock	body of the	
		(best done by injecting 1cm above	in to the fettoek.	suspensory or other	
		the distal and a fithe arbit have		suspensory of other	
		the distal ends of the splint bones		proximal structures.	
		to avoid injecting the DFT sheath)		Difficulty in assessing	
		The Medial and lateral palmar		whether the palmar	
		metacarpal nerves innervate the		metacarpal nerves are	
		deep structures of the fetlock. 2-		desensitized.	
		3ml of anaesthetic is injected			
		around these nerves as they			
		emerge distal to the ends of the			I SATISFIEL AND DEAL AND DEAL AND DEAL
		2^{nd} and 4^{th} matacarnal bonas			The second se
		2 and 4 metacarpar bones.			23.25 × 5/0.18 ++++
					22-25 g 5/8-1" needle
					1.2 ml
					2.3 mL

High Palmar	O: 3-4ml per	Analogous of the Low Palmar	Desensitize the deep	Inadvertent injection	and a strategic to the
Nerve Block or	site	Nerve block, same nerves are	structures of the	of the distal	
High Four-	NS: 5/8 inch 25	being anaesthetized but in the	metacarpus with the	outpouching of the	
point Nerve	gauge	proximal aspect of the metacarpus	exception of the origin	carpometacarpal joint.	
Block	1 inch 22 gauge	just below the carpometacarpal	of the suspensory	Difficulty in assessing	and the second s
		joint.	ligament.	whether the palmar	A CONTRACT
		The proximal palmar nerves are		metacarpal nerves are	THE REPORT OF TH
		anaesthetized in the groove		desensitized.	
		between the suspensory ligament		Swelling of the	
		and DDFT. A 25 gauge needle is		proximal metacarpal	
		inserted through the heavy fascia		region that may	
		and 3-4ml of anaesthetic is		interfere with a	
		deposited. (done weight bearing)		subsequent ultrasound	State Manual State State
		A 22 gauge needle is directed		evaluation.	
		toward the palmar metacarpus			and the second sec
		along the axial borders of the			A REAL PROPERTY AND A REAL
		splint bones until bone is			
		contacted. Withdraw and aspirate			Palmar nerves
		the needle to ensure it is not			25 g 5/8", 2 mL
		placed in the carpometacarpal			
		joint. (done with limb held in			Palmar metacarnal
		nand)			Paintar metacarpar
					22 g 1.5°, 3-5 mL

Lateral Palmar	Q:5-8ml	The needle is directed in the	Desensitizes the origin	Difficulty in injecting	
Nerve Block.	NS: 5/8 inch 25	palmarolateral-to-dorsomedial	of the suspensory	(the needle may not	
	gauge	direction and must penetrate the	ligament and other	penetrate the fascia	and the second states and
	1 inch 22 gauge	2-3mm thickness of the flexor	deep structures of the	below accessory	And the second se
		retinaculum of the carpus. This	palmar metacarpus.	carpal bone.	
		nerve block maybe performed		Difficulty n assessing	CONTRACTOR OF CALL
		with the horse standing or with		the success of the	and the second sec
		the carpus flexed.		block.	and the second se
					2
					1000 (1000) 100
					AND REAL PROPERTY
					APPEND APPEND
					22 g 1", 5-8 mL
					- KENNEL (BARDIN
					the second se
					The second se

Ulnar Nerve Block	Q: 10-12ml NS: 1- ¹ ⁄ ₂ inch, 20-22 gauge	The ulna nerve is anaesthetized four inches proximal to the accessory carpal bone on the caudal aspect of the forearm. The needle is inserted through the skin and fascia perpendicular to the limb. The anaesthesia is infused both superficially and deeply in this region.	Partially desensitize the accessory carpal bone and surrounding structure, palmar carpal region, carpal canal, proximal metacarpus, superficial digital flexor tendon and suspensory ligament.	Injecting anaesthetic too superficially. Difficulty assessing.			
Median Nerve Block	Q: 10-12ml NS: 1- ½ inch, 20-22 gauge	The needle I walked off the caudal aspect of the radius. The anaesthesia is injected distal to the elbow joint, on the medial aspect of the limb.			x	20-2 10-1	2 g 1.5″ 2 mL