

Magnetic Stimulation Response

S₁

*

S₁ :

MMEP latency , amplitude

S₁

historical cohort :

H-reflex

MMEP amplitude MMEP latency

/ ± / ms MMEP latency :

/ ± / μV MMEP amplitude .(P< /) / ± / ms

/ MMEP latency .(P< /) / ± / μV

.(P< /) / amplitude (P< /)

S₁ MMEP latency :

H- reflex MMEP latency MMEP amplitude :

.()

% L₅

.()

MRI imaging

Magstim

EMG

(H-reflex)

S₁

Magnetic Motor Evoked Potential response amplitude (MMEP) latency

Stevens Magnusson

()

H-reflex

EMG MRI

S₁

MMEP latency

(-)

Magestim

()

amplitude

Magestim

()

Prone

round coil

amplitude

amplitude

S₁

latency MMEP

Latency amplitude

historical cohort

S₁

(S₁)

S₁

cut off

/ - / μv latency

/ - / ms

amplitude

EMG

MRI

/			
(RR % = / /)		/ /	(RR) Relative Risk
MMEP latency		-	
S ₁			
MMEP latency			
S ₁			
(/)	(/)	()	S ₁
(/)	(/)	()	
()	()		EMG
S ₁			
MMEP amplitude			
		S ₁	
/	()	S ₁	
MMEP amplitude			
Fisher		(P< /)	
MMEP amplitude			
MMEP amplitude		-	
S ₁			
MMEP latency			
S ₁			
()	(/)	(/ - /)	
()	(/)	/ >	
()	()	/ <	
MRI			
() L ₄ to S ₁ bulging			
() L ₄ -L ₅ extrusion () lumbar stenosis			
stenosis () L ₁ -L ₂ central herniation			
		(P< /)	
		S ₁	
		(/)	
MMEP latency		/)	
		(P< /)	
		S ₁	
		(RR=)	MMEP latency
		MMEP latency	%

	amplitude	() L ₄ -L ₅ extrusion
		EMG
amplitude	()	active S ₁ root lesion
		chronic S ₁ root lesion
		chronic S ₁ root lesion
MMEP latency	()	
	S ₁	H-reflex
Axonal loss	conduction block	H-reflex /
	fast conducting	/ H-reflex /
	EMG	/ H-reflex
	S ₁ Axonal loss	H-reflex
latency		H-relex
Axonal loss		
conduction block		S ₁
	MMEP latency	MMEP latenly
		S.Chokroverty
	()	S ₁ L ₅
	spinal stenosis	Herdmann
	Banerjes	() root compressin
	cut off	()
		- Chein
	latency	()
EMG		Chein Ertekin
	S ₁	() amplitude
Magestin		S ₁
latency	/	MRI
latency		()
	EMG	Magstim
EDX MRI		amplitude
	MMEP latency	

cut off

()

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