

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) Relative Risk

—

 S_1

EMG

 S_1

MMEP amplitude

 S_1
$$/ \quad (\quad) \quad S_1$$

MMEP amplitude

Fisher

$$.(P < \quad / \quad)$$
$$(P < \quad)$$

MMEP amplitude

MMEP amplitude

—

 S_1

MMEP latency

$$S_1$$

() (/) (/ - /)

$$\begin{array}{ll} (\quad) & (\quad / \quad) \end{array} \quad \begin{array}{l} / > \\ / < \end{array}$$

() ()

MRI

() L₄ to S₁ bulging

() L₄-L₅ extrusion () lumbar stenosis
stenosis () L₁-L₂ central herniation

(%) (%)

$$\left(\begin{array}{c} 1 \\ 1 \end{array} \right) \quad \left(\begin{array}{c} 1 \\ 1 \end{array} \right) \quad 1 \pm 1 \quad N=$$
$$\left(\begin{array}{c} 1 \\ 0 \end{array} \right) \quad \left(\begin{array}{c} 1 \\ 0 \end{array} \right) \quad 1 \pm 1 \quad N=$$

MMEP latency

 S_1
$$(\quad / \quad)$$

MMEP latency /)

$$. (P < \quad / \quad)$$
 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-reflex
Axonal loss		
conduction block		S ₁
	MMEP latency	MMEP latency
		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
EDX MRI		Magstim
		amplitude
	MMEP latency	

cut off

()

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