

Posturography report



Neurorehabilitation &
Brain Research System

Personal data

Report date: 17/10/2019 23:07:47

Name: Fabian Valero Pineda

Date of birth: 11/11/1999

Height(cm): 189

Weight(kg): 87

Gender:



☐ Visual impairments (visual acuity problems, cataracts, blindness, etc.)

☐ Vestibular impairments (Ménière syndrome, dizziness, etc.)

☐ Articular or proprioceptive impairment (arthropathy, prosthesis, arthritis, arthrosis, neuropathy, etc.)


☐ Cerebral pathology history (dementia or cognitive impairment, stroke, Parkinson's disease, etc.)

Description of the alteration:

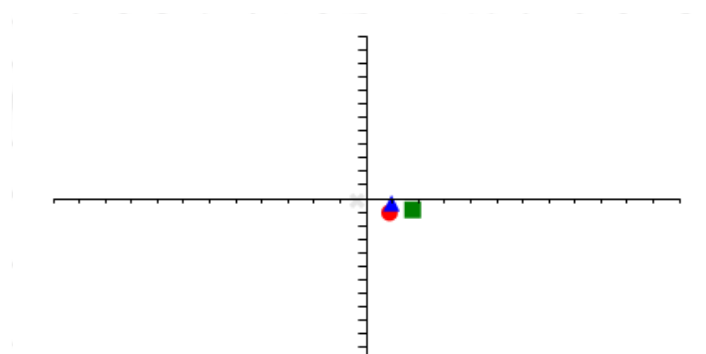
Nota:

Results (compared to healthy individuals from 10 to 19 years old). Healthy values: percentiles > 16

Modified clinical test of sensory interaction and balance

	Repetitions	Maximum excursion in the anterior-posterior axis (cm)	Maximum excursion in the medial-lateral axis (cm)	Mean speed (cm/s)
 Romberg's test with eyes opened	3	1.69 (Percentile 15) Altered	0.97 (Percentile 54) Not altered	0.28 (Percentile 37) Not altered
 Romberg's test with eyes closed	3	2.00 (Percentile 29) Not altered	1.03 (Percentile 37) Not altered	0.43 (Percentile 26) Not altered
 Romberg's test with eyes opened on foam	3	3.59 (Percentile 0.9) Very altered	2.49 (Percentile 0.9) Very altered	0.52 (Percentile 7) Altered
 Romberg's test with eyes closed on foam	3	5.49 (Percentile 0.9) Very altered	2.61 (Percentile 2) Very altered	0.76 (Percentile 15) Altered

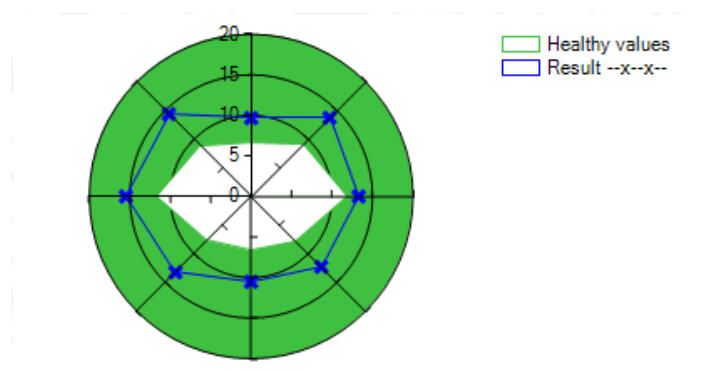
Mean position of the center of pressure on each test (cm)



Limits of stability

	Reaction time (s)	Maximum excursion (cm)	Directional control (%)
Front (0°)	0.26 (Percentile 99.1) Not altered	9.66 (Percentile 81) Not altered	98.3 (Percentile 94) Not altered
Front-right (45°)	0.84 (Percentile 66) Not altered	13.71 (Percentile 96) Not altered	97.5 (Percentile 78) Not altered
Right (90°)	1.79 (Percentile 19) Not altered	13.30 (Percentile 45) Not altered	66.6 (Percentile 30) Not altered
Right (90°)	1.37 (Percentile 46) Not altered	12.26 (Percentile 87) Not altered	92.0 (Percentile 84) Not altered
Rear (180°)	1.39 (Percentile 24) Not altered	10.51 (Percentile 99) Not altered	60.2 (Percentile 39) Not altered
Rear-left (225°)	1.24 (Percentile 50) Not altered	13.23 (Percentile 96) Not altered	91.8 (Percentile 78) Not altered
Left (270°)	1.44 (Percentile 0.9) Very altered	15.48 (Percentile 85) Not altered	97.3 (Percentile 78) Not altered
Front-left (315°)	2.27 (Percentile 15) Altered	14.37 (Percentile 97) Not altered	50.0 (Percentile 4) Altered

Maximum excursion on each direction (cm)



Rhythmic weight shift

Medial-lateral			
	Slow speed	Medium speed	Fast speed
Directional control (%)	-	-	-
	-	-	-
	-	-	-

Anterior-posterior			
	Slow speed	Medium speed	Fast speed
Directional control (%)	-	-	-
	-	-	-
	-	-	-

Comments:

Raw scores normalized to percentiles. Percentiles have been inversed in necessary cases to unify the qualitative results. Altered values: percentiles < 16. Very altered values: percentiles < 2.