

STATISTICAL ANALYSIS CHART;

***VARIABLES IN AGE DIFFERENCES
*INTERRATER RELIABILITY
*INTRARATER RELIABILITY OF
INDIVIDUAL ITEMS**

	Variables in Age Differences		Differences Normal and S.I. Therapy P< .05	Intraclass Correlation r > .70	Decision
	5 years	8-11 years			
Take off shoes and socks	97.5	98.2	.056	min .050	OUT
Smooth eye movements	75	91.1	.000	.787	IN
Following circular movements	72.5	94.6	.001	.625	IN
Midline crossing	95	96.5	.241	.861	OUT
Independent eye movements	82.5	94.6	.001	.903	IN
Convergence-both	82.5	92.9	.051	.437	OUT
Convergence-left	60	92.6	.000	.719	IN
Convergence-right	62.5	90.9	.000	.909	IN
Head turning with eye fixation	65	89.3	.001	.875	IN
Motor planning of the mouth	32.5	82.1	.000	.798	IN
Slow movements	62.5	93	.000	.654	IN
Finger opposition- left	17.5	69.7	.000	.499	OUT
Finger opposition-right	20	73.7	.000	.439	OUT
Finger opposition-both	12.5	64.3	.000	.689	OUT
Finger opposition-without vision	10	61.4	.000	.714	OUT
Diadochokineses left	55	84.2	.002	.723	IN
Diadochokineses right	62.5	84.2	.001	.871	IN
Diadochokineses both	45	82.1	.000	.680	IN
Adiadochokineses	17.5	64.3	.000	.857	OUT
Schilder's arm extension test	76.9	94.7	.000	.888	IN
Choreatic motions, tremors	92.5	98.2	.244	.829	OUT
Arm extension during passive head turning	72.5	91.2	.000	.818	IN
Resistance to passive head motions	75	91.2	.051	.776	IN
Symmetrical tonic neck reaction	92.3	94.6	.132	.241	OUT
Asymmetrical tonic neck reaction left	92.3	100	.035	.905	IN
Asymmetrical tonic neck reaction right	87.2	94.4	.268	.936	IN
Dynamic asymmetrical tonic neck left	35	73.2	.000	.880	IN
Dynamic asymmetrical tonic neck right	32.5	82.5	.000	.588	IN
Cocontraction-arms	47.5	91.1	.000	.826	IN
Cocontraction-trunk	85	92.9	.001	.911	IN
Cocontraction-head	80	92.9	.001	.850	IN
Prone Extension	42.2	69.6	.000	.919	IN
Supine Flexion Position	43.6	86	.000	.894	IN
Rolling left	62.5	93	.015	.789	IN
Rolling right	53.8	91.1	.005	.873	IN
Palpation of muscle tone in arms and hands, passively hypotonia or hypertonia					
Palpation of muscle tone in legs, passively hypotonia or hypertonia					
Marching in sitting position	74.4	85.7	.061	1.00	OUT
Protective reactions in kneeling	86.8	94.3	.133	.725	OUT
Equilibrium reaction on the ball in sitting position	82.5	88.7	.078	.115	OUT

Protective reaction prone on ball	90	86.6	.935	.723	OUT
Gravitational security on ball	74.4	92.6	.035	.752	IN
Walking- forward	97.5	100	.095	.617	OUT
Walking- backward	92.5	96.5	.017	.074	OUT
Jumping	66.7	82.1	.824	.779	OUT
Hopping left	46.2	93	.001	.866	IN
Hopping right	51.3	89.3	.007	.779	IN
Skipping	79.5	91.1	.005	.573	OUT
Heel toe walk- forward	45	91.1	.000	.732	IN
Heel toe walk- backward	15	78.9	.000	.887	IN
Running- forward	92.2	96.5	.729	.758	OUT
Running- backward	82.1	89.5	.267	.903	OUT
Catching	42.5	96.5	.000	.891	IN
Throwing	45	94.7	.000	.875	IN
Broad Jump	70	94.7	.005	.884	IN
Jumping Jacks	32.5	66.7	.103	.954	OUT
Drawing ∞ - both hands	15.4	85.5	.000	.928	IN
Drawing ∞ - right hand	15.4	79.6	.000	.836	IN
Drawing ∞ - left hand	17.9	83.3	.000	.837	IN
Activity level-hypo					OUT
Activity level- hyper					OUT
Defensive reactions	79.5	87.7	.076	.877	OUT
Gravitational security in general	78.9	98.2	.237	.795	OUT
Motor planning	73	87.5	.013	.546	OUT
Concentration, attention	84.2	96.5	.203	.388	OUT
Understanding spoken instructions	89.2	96.5	.135	.301	OUT
Muscle tone					
Shoes and Socks on	48.5	90.7	.000	min .040	OUT

Total 36 items for final Motor Observations

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