

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 |

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|-----------------------------------|------|------|------|----------|-----|
| 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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