Following results are comparisons between pre-intervention and TD for task performance, task errors, reaction time (RT), *nine-hole peg test (NHPT) and box and blocks test (BBT).*

**Task performance**

**Pre-intervention and TD**

There was a significant group main effect (*P*=0.001): children with HCP (4.28 + 0.31 shapes) matched 47% fewer number of shapes than children who were TD (8.03 + 0.25 shapes) (Fig. 4).

There was also a significant condition main effect (*P*=0.001). Post-hoc analysis showed a significant difference (*P*=0.001) between easy (8.29 + 0.43 shapes), moderate (6.57 + 0.37 shapes) and difficult (5.0 + 0.33 shapes) conditions.

There was a significant arm main effect (*P*=0.02), with the dominant/unaffected (6.5 + 0.22 shapes) arm matching an 11% higher number of shapes than the non-dominant/affected arm (5.8 + 0.22 shapes).

**Task Errors**

**Pre-intervention and TD**

There was a significant group main effect (*P*=0.001), with 248.5% higher number of errors in children with HCP (4.88 + 0.61) than children who were TD (1.4 + 0.22).

There was a significant arm main effect (*P*=0.01) with a higher number of errors in the non-dominant/affected arm (3.83 + 0.36) than in the dominant/unaffected arm (2.45 + 0.36).

**Reaction Time (RT)**

**Pre-intervention and TD**

There was a significant group main effect (*P*=0.001), with 59.1% longer RT in children with HCP (2.23 + 0.29 seconds) than children who were TD (0.91 + 0.05 seconds).

There was a significant arm main effect (*P*=0.002), with the dominant/unaffected arm (1.13 + 0.11 seconds) having faster RT than the non-dominant/affected arm (1.68 + 0.25 seconds).

There was a significant group by arm interaction (*P*=0.01). Post-hoc analysis showed a significant difference (*P*=0.004) between the affected arm of children with HCP (2.86 + 0.45 seconds) and the non-dominant arm of children who were TD (0.97 + 0.1 seconds). Similarly, there was a significant difference (*P*=0.001) between the unaffected arm of children with HCP (1.61 + 0.24 seconds) and the dominant arm of children who were TD (0.85 + 0.04 seconds).

***NHPT***

***Pre-intervention and TD***

*There was a significant group main effect (P=0.001) with a longer time to complete the NHPT in children with HCP (112.9 + 7.75 seconds) and children who were TD (41.03 + 5.62 seconds).*

*There was a significant arm main effect (P=0.001) with more time to complete the NHPT with the non-dominant/affected arm (95.37 + 7.04 seconds) than with the dominant/unaffected arm (58.52 + 6.49 seconds).*

*There was significant group by arm interaction (P=0.001). Post-hoc analysis showed a significant difference (P=0.001) in NHPT time between the non-dominant arm of children who were TD (39.46 + 2.88 seconds) and the affected arm of children with HCP (151.29 + 26.22 seconds). Similarly, there was a significant difference (P=0.001) between the dominant arm of children who were TD (42.60 + 2.62 seconds) and the unaffected arm of children with HCP (74.44 + 10.35 seconds).*

***BBT***

***Pre-intervention and TD***

*There was significant group main effect (P=0.001), with 55% fewer number of blocks moved by children with HCP (14.88 + 2.49 blocks) than by children who were TD (33.03 + 1.27 blocks).*