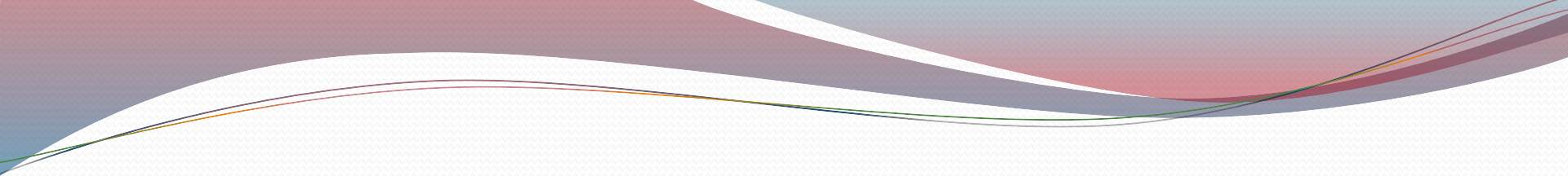


Examining the effect of gender on the Landmark task judgment in preschool children

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With the aim to examine gender-related differences in lateralization of visual spatial perception/attention in preschool age, 84 boys and 94 girls (3,4 – 6,7 years old) were studied with a Landmark task which require whether 17 pre-marked horizontal lines are correctly bisected in two equal halves.

Between-group comparisons were based on the differences in mean scores of three variables: Percentage of correct answers, Quotient of error, and Type of perceptual error.

- The results revealed a slight effect of gender on the Landmark task judgment in preschool children, with the male group exhibiting higher magnitude of leftward bias in comparison to the female group.
- The overall pattern of results supports a dominant role of the right hemisphere in spatial attention in both sex, slightly more pronounced in males than females, which may be identified as early as preschool age.