

## **Abstract**

The similarity between a partner and a parent of the opposite sex was found across different characteristics. Most often, similarity was found in visual characteristics (e.g., eye colour, hair colour, facial features). Visual characteristics have been tested in context of mate choice mostly individually, however mate choice is multidimensional with involvement of all modalities. The aim of our study was to test visual and acoustic modality and their correlations in ratings of perceived similarity of partners and parents of the opposite sex. The aim of this study was also to test perceived similarity of partners and parents of opposite sex in faces and voices and whether the quality of the respondent's relationship with the parent in childhood has an effect on the similarity. The photography of face and voice record was provided by 66 female partners and mothers and 67 male partners and fathers. Similarity between partners and parents of opposite sex was rated by 494 independent female raters. The results of the study showed that partners are similar with parents of the opposite sex in face and voice in both women and men. The results of tested correlations of similarity in the face and voice between the partner and the parents showed that the partners were evaluated as more similar to the parents in the face and voice, but the evaluations (weakly) correlate only in the case of partners and fathers. The influence of the quality of the respondent's relationship with the parent in childhood on the partner's preferences was not supported by our results, as there was no significant effect. Our study is the very first study who tested the resemblance between partner and parent of the opposite sex in voice and also this study is the first study who tested interaction between modalities in context of perceived resemblance between partner and parent of the opposite sex.

Key words: mate choice, multimodal attractiveness, resemblance in face, resemblance in voice