

The Chimeric Faces task is an interesting task to study lateralization. We created a modern Chimeric Faces stimulus set based on the open accessible KDEF-stimulus set (Lundqvist et al., 1998). Twenty KDEF stimuli (10 males; 10 females) with the highest hit rate on happiness (HAS), and 20 stimuli (10 males; 10 females) with the highest hit rate on anger (ANS) were selected (based on Goeleven et al., 2008, and contact with the authors), together with the corresponding neutral stimuli. The left half of the happy/angry face was used, together with the right half of the neutral face, to compose a new chimeric face stimulus (dimension 562 x 762). Original image id's were maintained, with the prefix "CF". The mirrored versions of the new stimuli are also provided.

The Chimeric Faces KDEF stimuli are described in more detail at:

<https://doi.org/10.1016/j.psyneuen.2017.10.027> (Appendix A).

If you use the Chimeric Faces KDEF stimuli in your research, please add the below reference to your manuscript's reference list: **Beking, T., Geuze, R. H., van Faassen, M., Kema, I. P., Kreukels, B. P. C., & Groothuis, T. G. G. (2018). Prenatal and pubertal testosterone affect brain lateralization. *Psychoneuroendocrinology*, 88, 78–91.**

## References

*Lundqvist, D., Flykt, A., & Öhman, A. (1998). The Karolinska Directed Emotional Faces - KDEF, CD ROM from Department of Clinical Neuroscience, Psychology section, Karolinska Institutet, ISBN 91-630-7164-9.*

*Goeleven, E., De Raedt, R., Leyman, L., Verschuere, B., 2008. The Karolinska Directed Emotional Faces: A validation study. *Cogn. Emot.* 22, 1094–1118.*