Generality of learning as driven by dichoptic visual training Ka Yee Kam, Dorita H. F. Chang

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- eye's input dominates over that of the other eye.
- strengthening binocular functions ^{1, 2}.
- unknown.



References

1. Hess, R. F., Mansouri, B., & Thompson, B. (2010). A binocular approach to treating amblyopia: antisuppression therapy. Optometry and Vision Science, 87(9), 697-704. 2. Hess, R. F., Mansouri, B., & Thompson, B. (2010). A new binocular approach to the treatment of amblyopia in adults well beyond the critical period of visual development. Restorative neurology and neuroscience, 28(6), 793-802.

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Pre-tests VS Post-tests Thresholds SNR motion training group





- Current results show that both training tasks alter sensory eye balance and improve stereopsis.
- immediately-trained paradigm.

Discussion

- Our data suggest that training effectiveness does not interocular suppression.
- We speculate the training-driven changes of ocular strength happen in the early visual cascade.





• Training on both tasks drive improvement beyond the

depend on whether the training entails a signal-noise or fine feature discrimination, implicating the unique and significant role of dichoptic training paradigm for balancing