

RESEARCH ON JUGGLING

Training induces changes in white-matter architecture

Jan Scholz, Miriam C Klein, Timothy E J Behrens & Heidi Johansen-Berg
Nature Neuroscience published online 11 October 2009; doi:10.1038/nn.2412

Cirque du Cerveau*

Kali Barawi, National Center for Mental Health (2016)
<http://ncmh.info/blog/2016/03/17/cirque-du-cerveau/>

Gaze fixation improves the stability of expert juggling

Joost C. Dessing, Frédéric P. Rey, Peter J. Beek
Exp Brain Res (2012) 216:635–644
DOI 10.1007/s00221-011-2967-6

Learning to juggle: on the assembly of functional subsystems into a task-specific dynamical organization

R. Huys, A. Daffertshofer, P. J. Beek
Biol. Cybern. 88, 302–318 (2003)
DOI 10.1007/s00422-002-0379-1

The Science of Juggling

P.J. Beek and A Lewbel
Sci Am Nov 1995 92-97
(not scientific, but includes good, pre-95 references and info on site-swap notation)

Temporal and spatial factors reflecting performance improvement during learning three-ball cascade juggling

Ken Hashizume, Tomoyuki Matsuo
Human Movement Science 23 (2004) 207–233

Coordination changes in the early stages of learning to cascade juggle

Pamela S. Haibach, Gregory L. Daniels, Karl M. Newell
Human Movement Science 23 (2004) 185–206

Changes in Gray Matter Induced by Learning—Revisited

Joenna Driemeyer, Janina Boyke, Christian Gaser, Christian Buchel, Arne May
PLoS ONE 3(7): e2669. doi:10.1371/journal.pone.0002669 (Department of Systems Neuroscience, University of Hamburg (UKE), Hamburg, Germany and Department of Psychiatry, University of Jena, Jena, Germany)

Three-dimensional hand movements during the execution of ball juggling: Effect of expertise in street performers

Andrea Mapelli, Domenico Galante, Simone Paganoni, Laura Fusini, Gianluca Forlani, and Chiarella Sforza
Journal of Electromyography and Kinesiology (2012)

Training-Induced Brain Structure Changes in the Elderly

Janina Boyke, Joenna Driemeyer, Christian Gaser, Christian Buchel, and Arne May
The Journal of Neuroscience, July 9, 2008 • 28(28):7031–7035 • 7031