

Video sequences

Video S1. Illustration of a few trials of the “reach and grasp” drawer task performed by Mk-CA in the pre-perturbation phase (before muscimol infusion and cTBS) and at a resistance level of R0. On both sides, pre-lesion trials extracted from the muscimol session (left) and from a cTBS session (right). Hyperlink: <https://tube.switch.ch/videos/70e3cc68>

Video S2. Same as video 1 (pre-perturbation) but at resistance level R5. Hyperlink: <https://tube.switch.ch/videos/c45465d8>

Video S3. Typical trials of the “reach and grasp” drawer task performed by Mk-CA in the post-perturbation phase, 30 minutes after muscimol infusion (left) and 10 minutes after cTBS offset (right) at resistance level R0. The hand is contralateral to M1 perturbed with muscimol or cTBS. Hyperlink: <https://tube.switch.ch/videos/5a55e62e>

Video S4. Same as video 3, but at resistance level R5. Hyperlink: <https://tube.switch.ch/videos/4b47fee6>

Video S5. Typical absence of trials in the “reach and grasp” drawer task performed by Mk-CA in the post-perturbation phase, 180 minutes after muscimol infusion. Note that the monkey is unable to reach the drawer and the hand stays in proximity to the body (flaccid paresis). Hyperlink: <https://tube.switch.ch/videos/9731fa7d>

Video S6. Typical trials in the “reach and grasp” drawer task performed by Mk-CA in the recovery phase, 24 hours after muscimol infusion (left) and 96 hours after cTBS offset (right) at resistance level R0. Hyperlink: <https://tube.switch.ch/videos/d460aba0>

Video S7. Same as video 6, but at resistance level R5. Hyperlink: <https://tube.switch.ch/videos/a8a294fa>