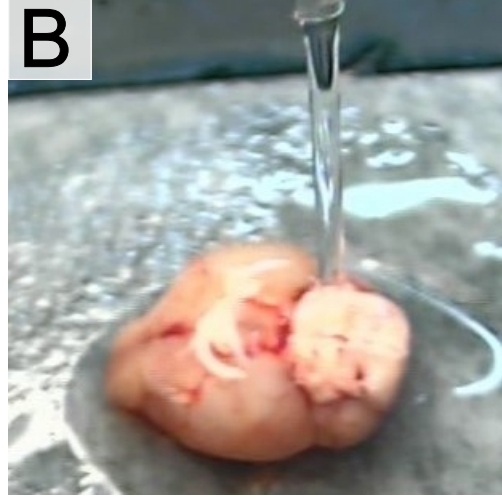
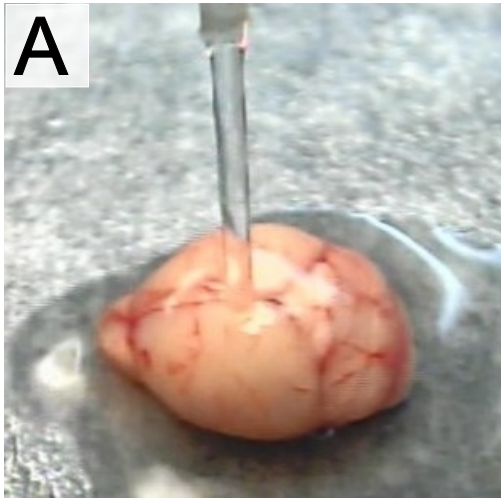
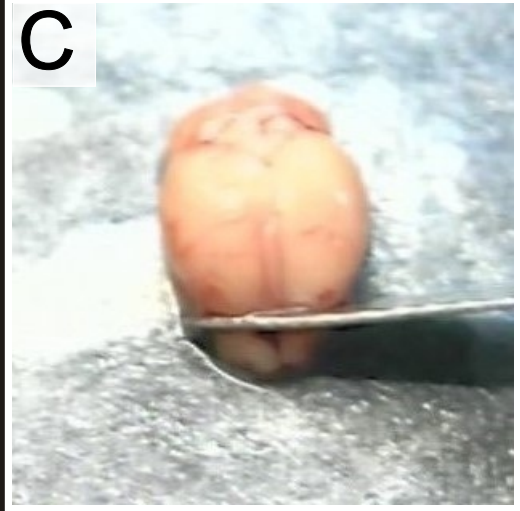


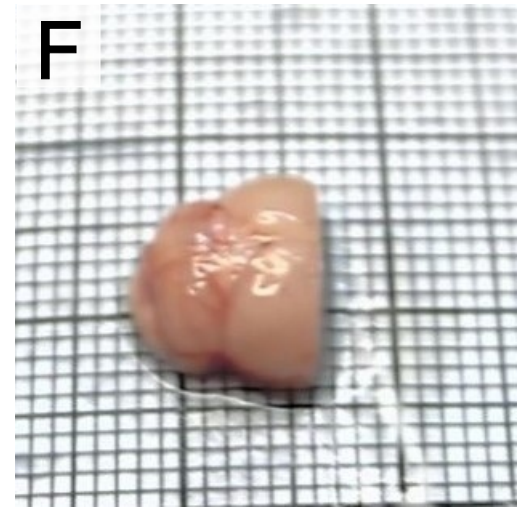
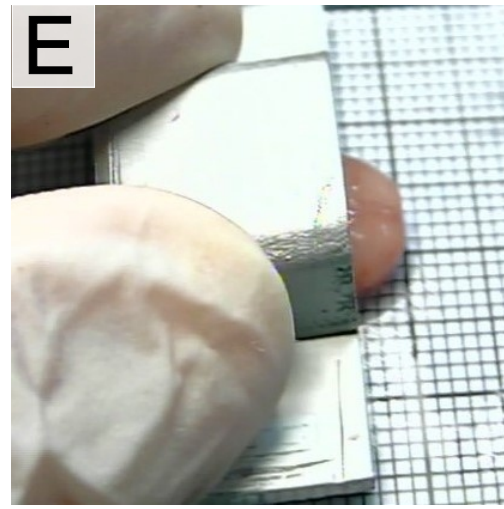
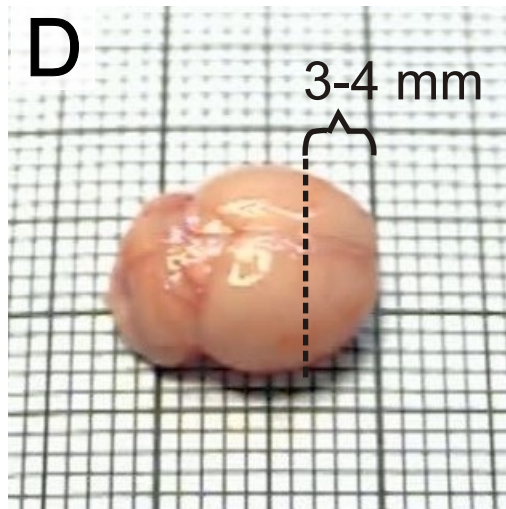
Rinsing the brain with ice-cold sterile water



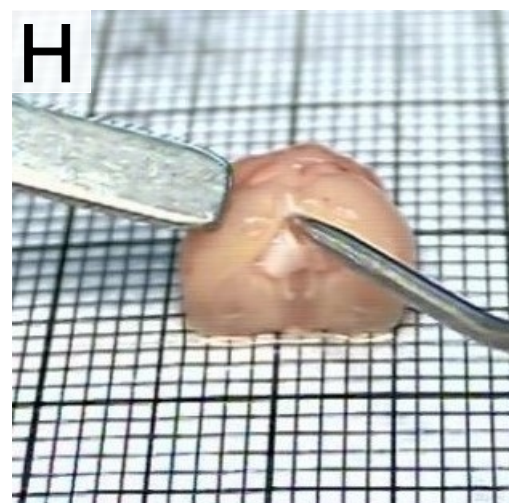
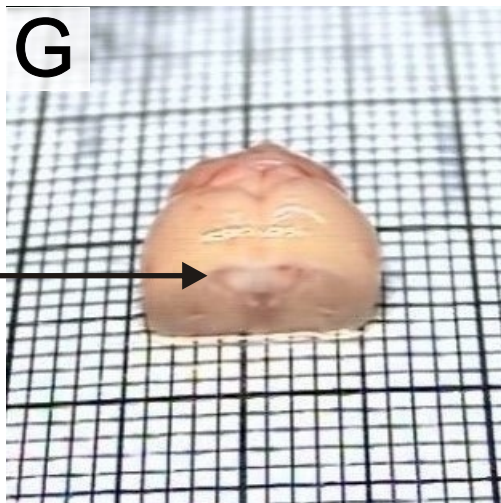
Removal of olfactory bulbs (Tool E / Fig. 1)



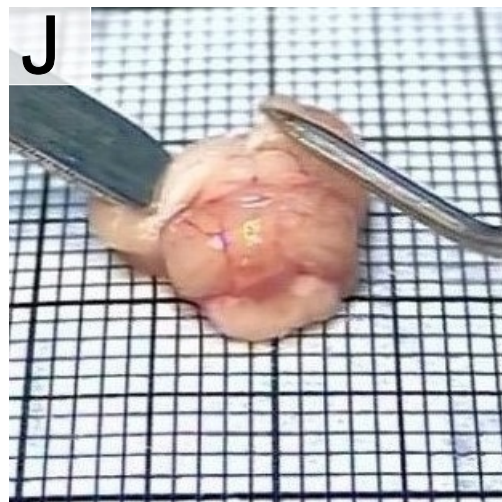
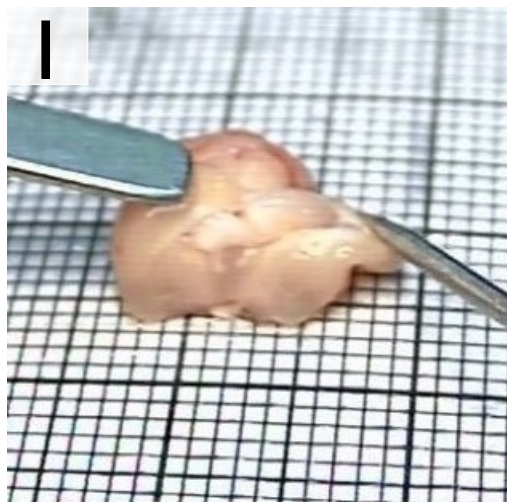
Removal of anterior part of the brain (Tools I&J / Fig. 1)



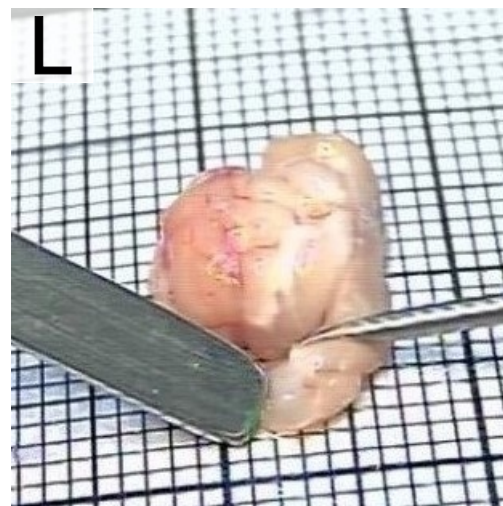
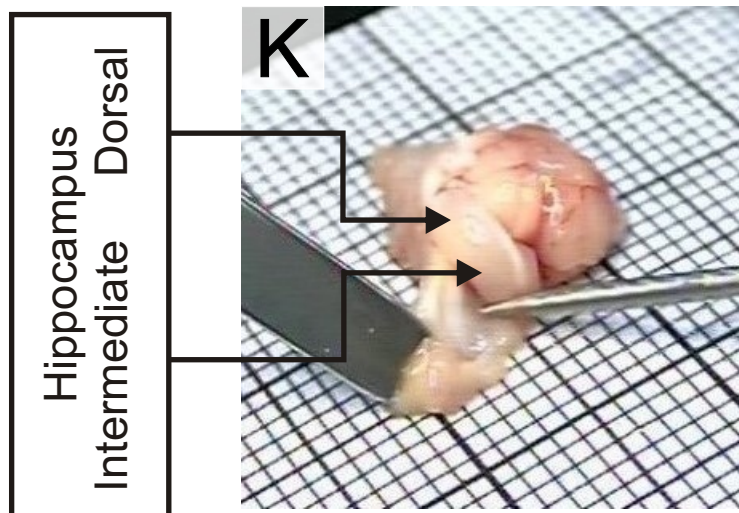
Dissecting needle is inserted into the lateral ventricle to disrupt initial part of the corpus callosum (Tools C&D / Fig. 1).



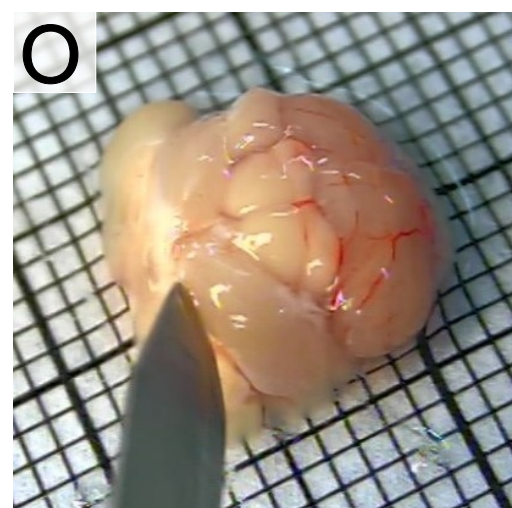
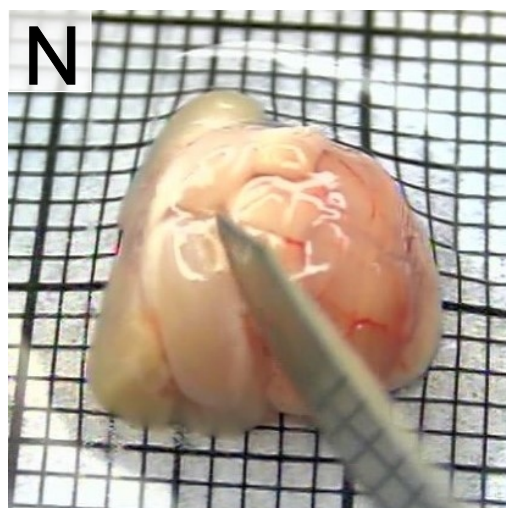
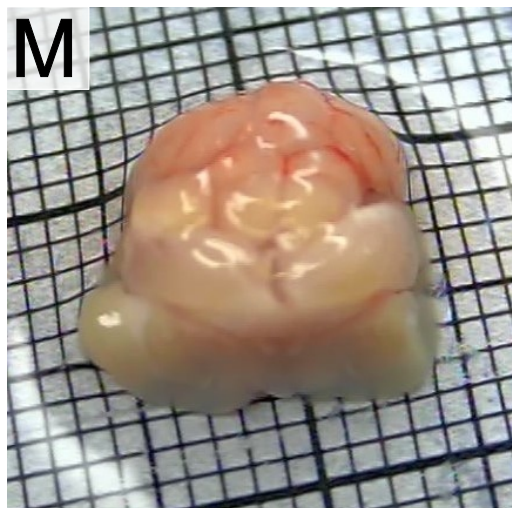
Cortex is removed from the dorsal and intermediate hippocampi starting from the place where the corpus callosum was disrupted (Tools C&D / Fig 1A).



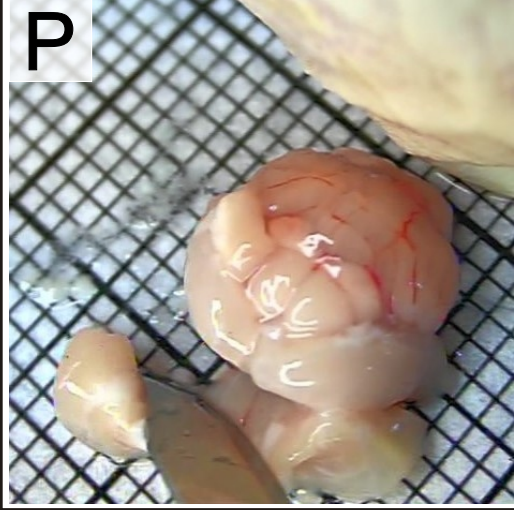
Cutting off cortex removed from the hippocampi (Tools C&D / Fig 1A).



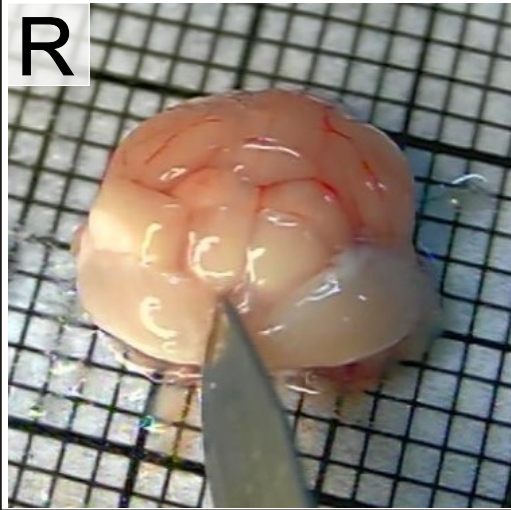
Making an incision along posterior (N) and anterior (O) edges of hippocampi (Tool B / Fig 1A).



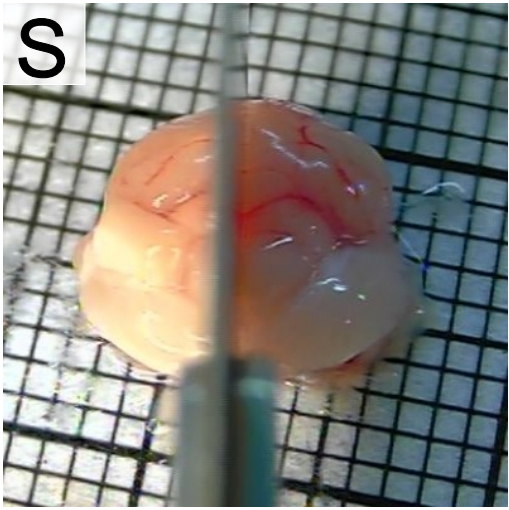
Cutting off tissue located In front of the hippocampus (Tool B / Fig. 1).



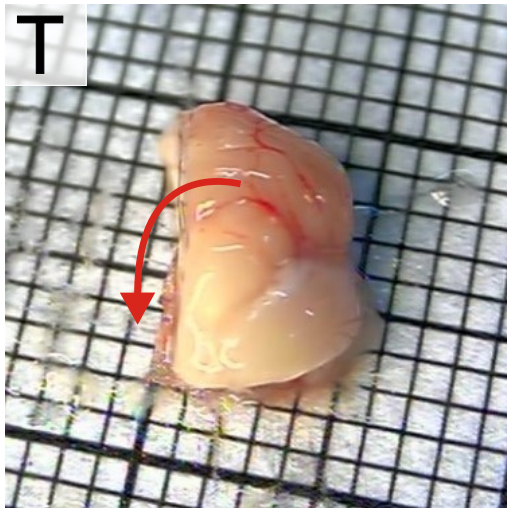
Separating left and right hippocampus (Tool B / Fig. 1). More information are in Figure 4.



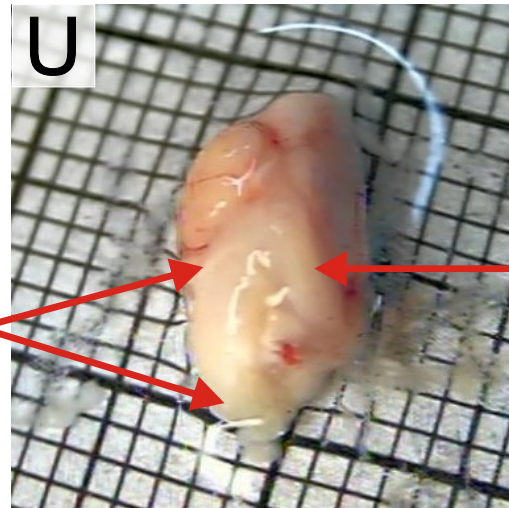
Separating left and right hemispheres (Tool A / Fig. 1).



Turning the hemisphere to expose ventral part of the brain.

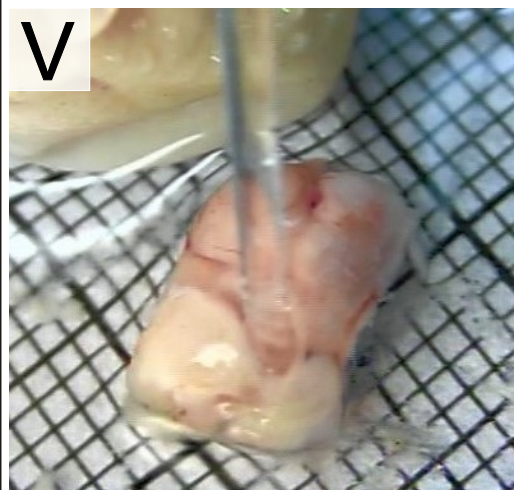


Dorsal and intermediate hippocampus



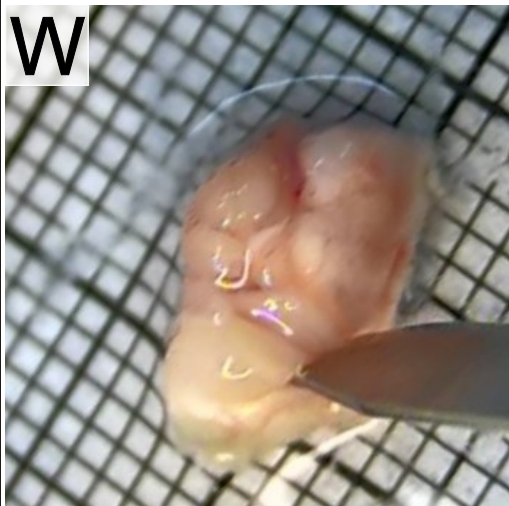
Ventral hippocampus covered with cortex

Detachment of cortex from ventral hippocampus with stream of water



Repeat rinsing the brain intermittently with pushing away / cutting off partly detached cortex (Tools B&C / Fig. 1) until the tip of the ventral hippocampus is visible (the next picture).

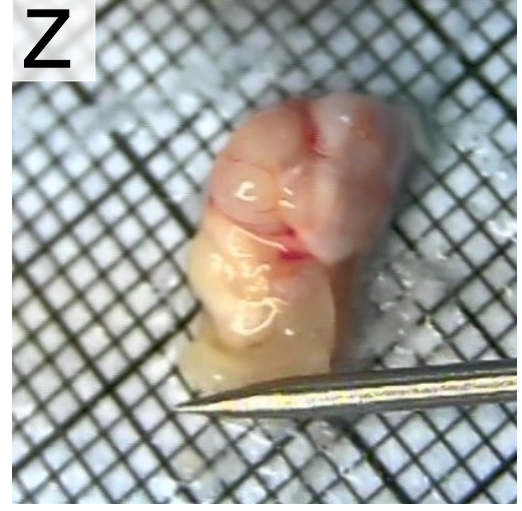
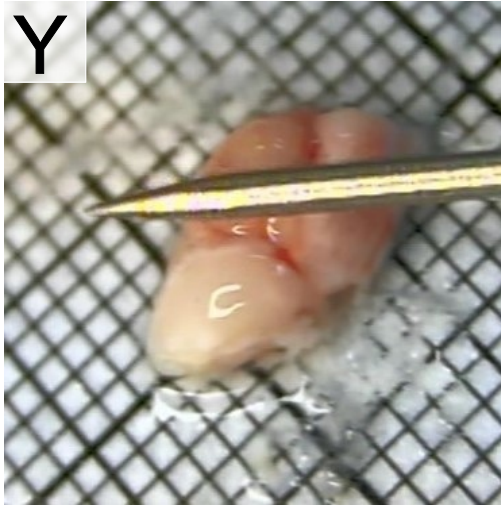
Making an incision around the entire ventral hippocampus (Tool B / Fig. 1).



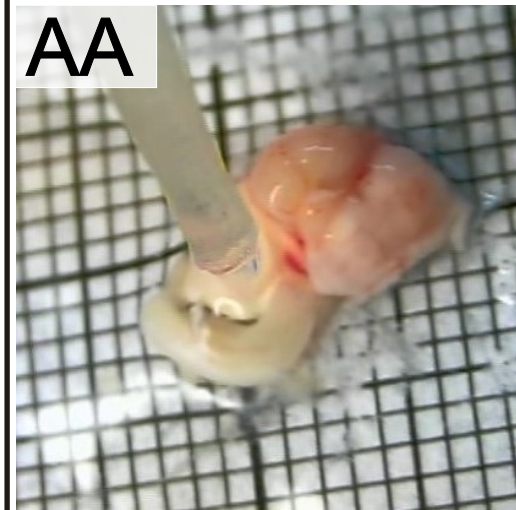
Making an incision between hippocampus and tissues located beneath (Tool B / Fig. 1).



Shoving aside hippocampus (Tool C / Fig. 1).

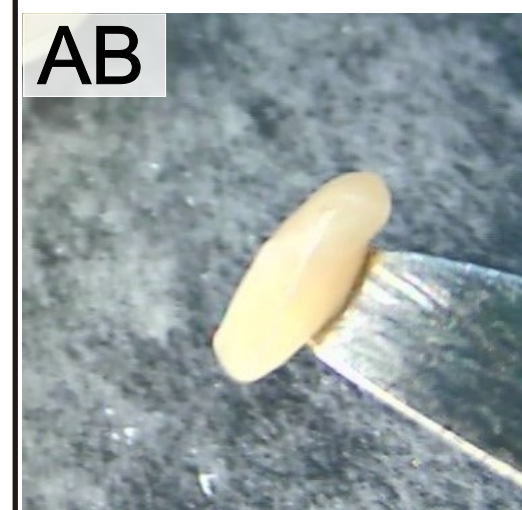


Separating hippocampus from the remaining tissues with stream of water (Tool C / Fig. 1).

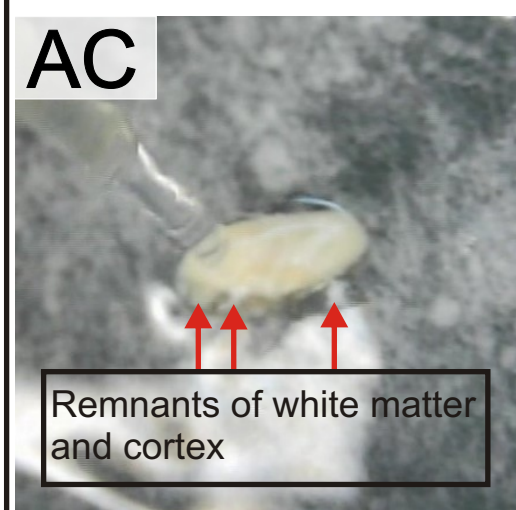


Stream of water may not be sufficient to completely separate hippocampus in case when some connections were preserved during earlier dissection steps. Use dissecting needle (Tool C / Fig. 1) to finalise the separation of the hippocampus.

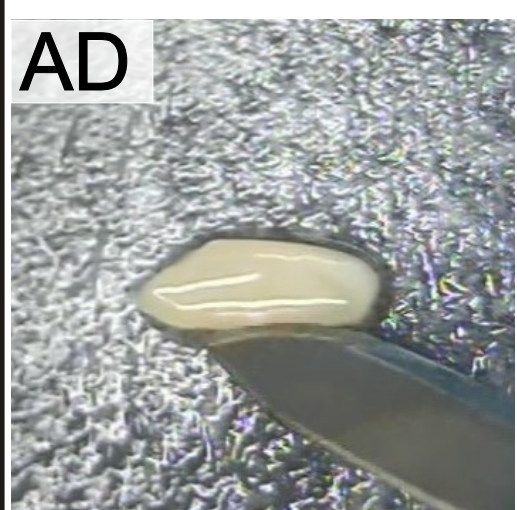
Place the hippocampus on clean paper filter (Tool E / Fig. 1).



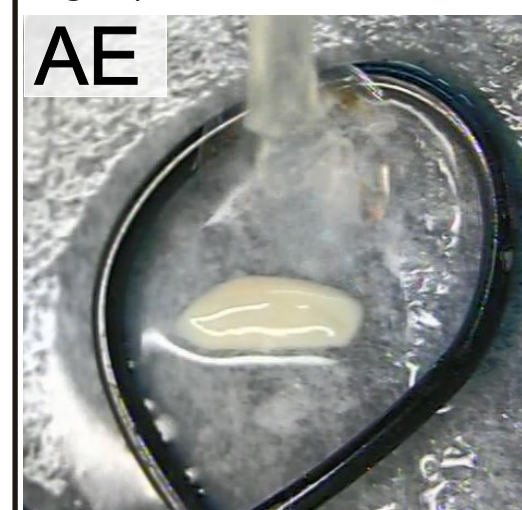
Using stream of water to remove / visualise remnants of other tissues.



Cutting off remnants of white matter and cortex (Tool B / Fig. 1).



Hippocampus placed inside of the wire loop at the time of rinsing (Tool H / Fig. 1).



The dissection steps AC-AE should be repeated from both ventral and dorsal side of the hippocampus until there are no strings of tissue visible at the time of rinsing.

Finally, the entire hippocampus can be frozen or placed on millimeter paper for dissection into dorsal, intermediate and ventral subdivisions.

Cut the hippocampus into pieces having equal length. Dorsal and ventral part are differentiated by their shape.

