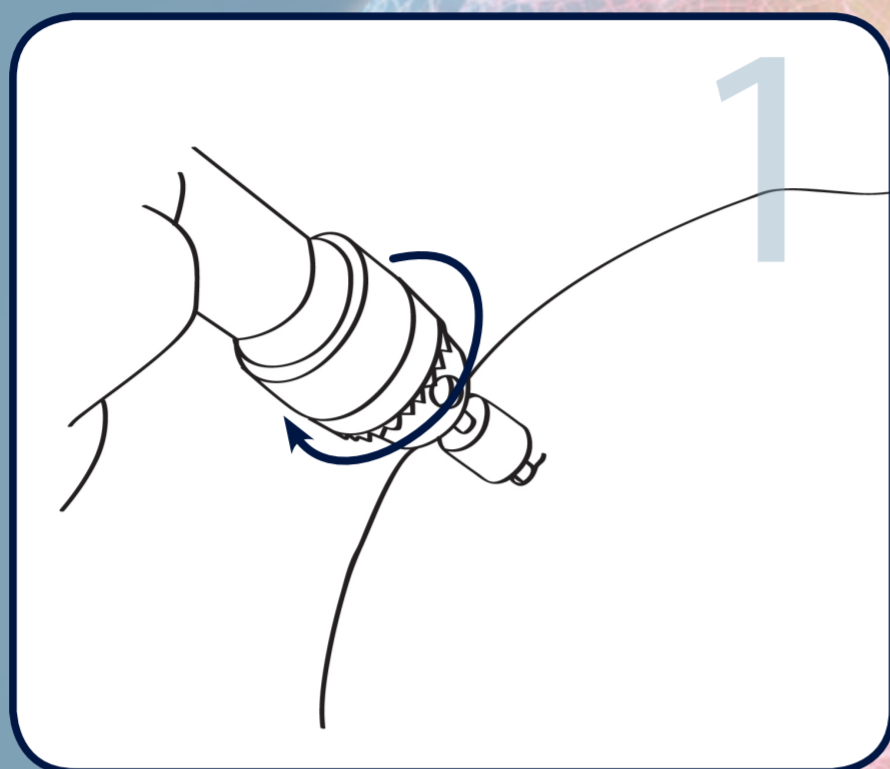
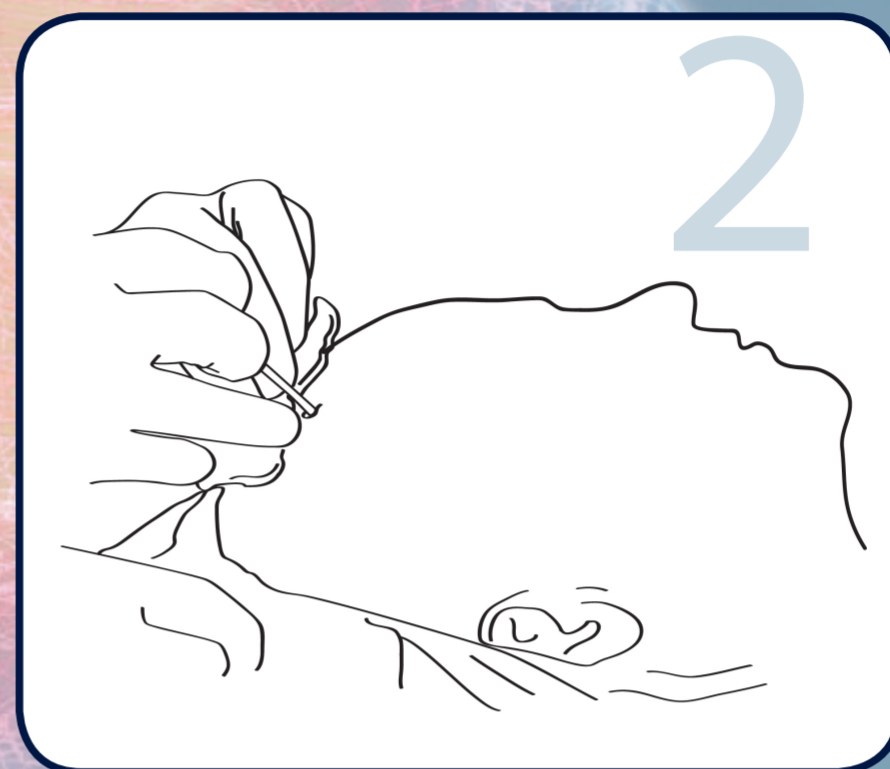


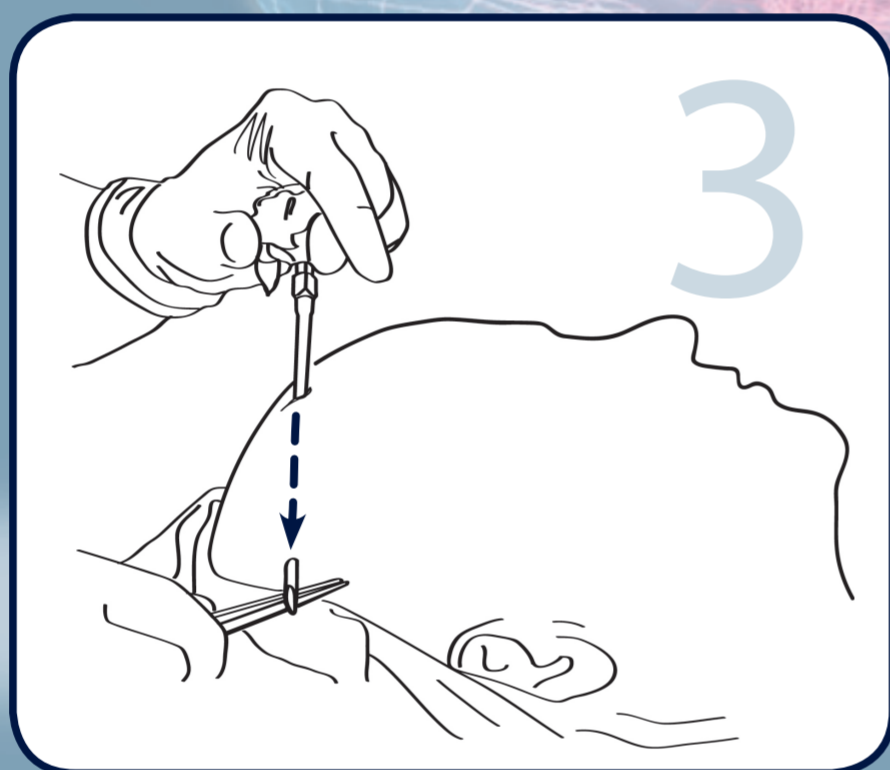
Implantation of the 70 Brain Microdialysis Catheter



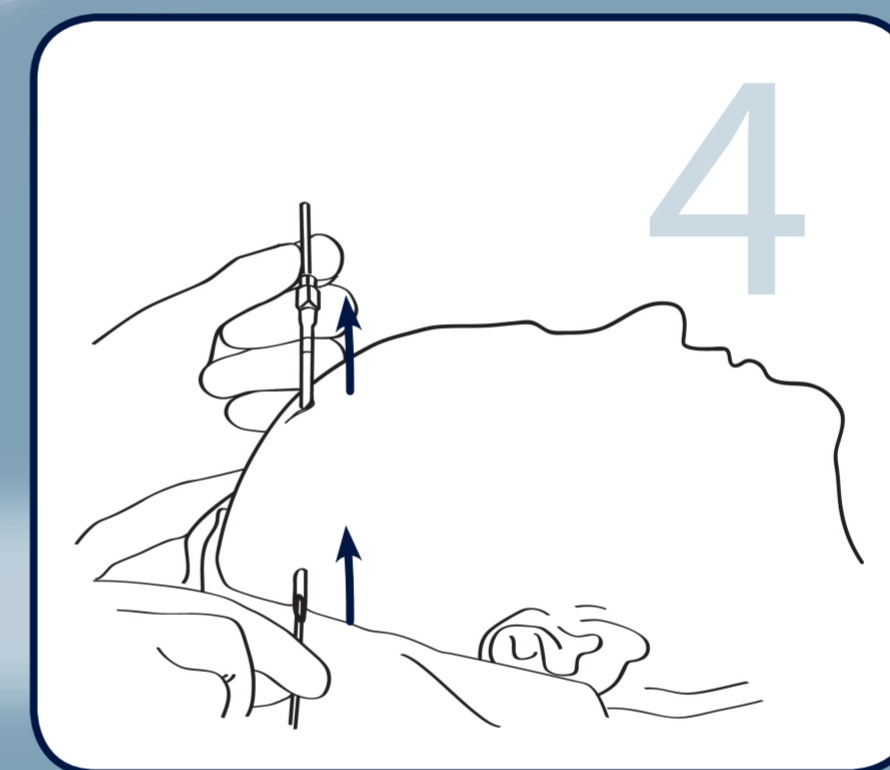
1. Drill a small hole.



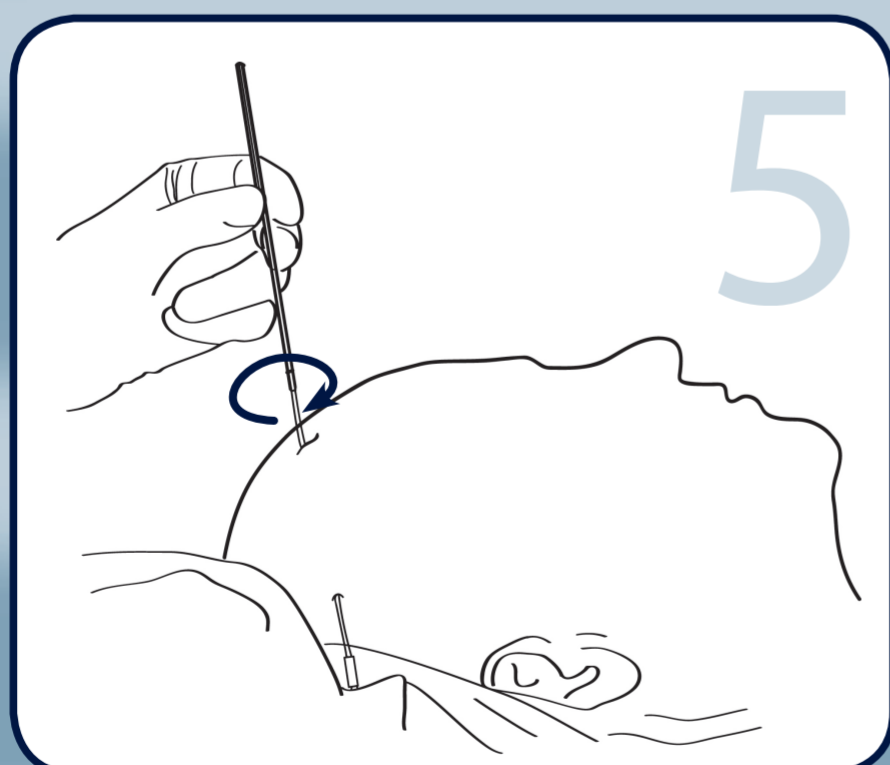
2. Perforate the meninges (even Pia Mater).



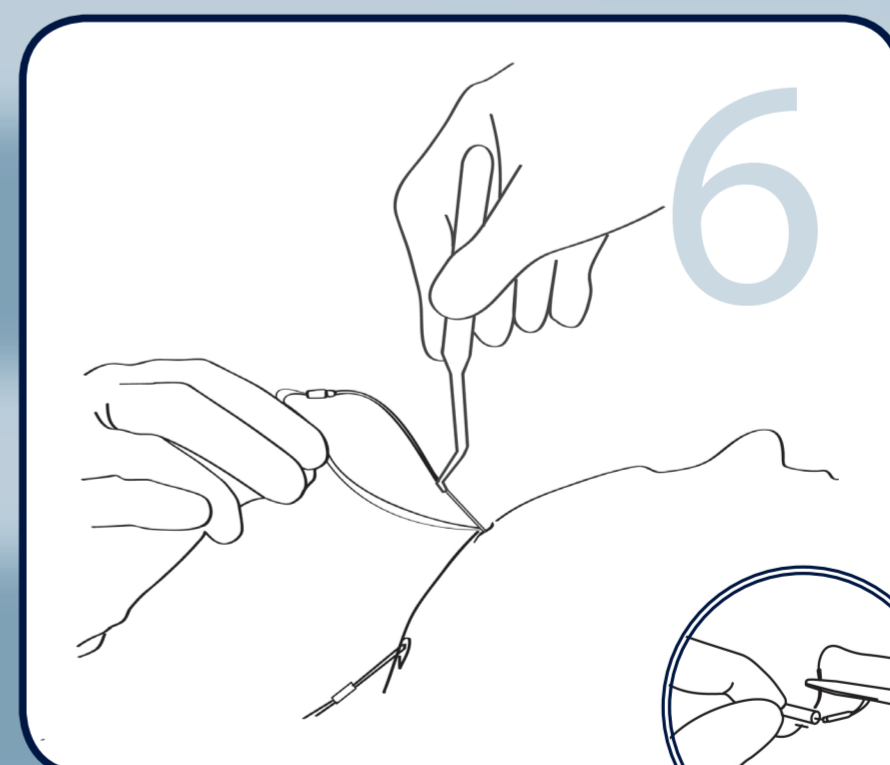
3. Create a tunnel under the skin using the tunneling needle.



4. Insert the 70 Brain Microdialysis catheter into the beveled end of the tunnelator needle, then remove the tunneling needle.



5. Unscrew the protection tube from the catheter.



6. Insert the catheter with the forceps through the hole made in the meninges.



7. Stretch the catheter and fix it firmly to the scalp by suturing around the stopper

Reference: Percutaneous Implantation of Cerebral Microdialysis Catheters by Twist-Drill Craniostomy in Neurocritical Patients: Description of the Technique and Results of a Feasibility Study in 97 Patients, Maria A. Poca, Juan Sahquillo, Anna Vilalta, Jorge De Los Rios, Angel Robles, Lourdes Exposito. JOURNAL OF NEUROTRAUMA (2006)