

About collodion

Prolonged EEG testing — testing that lasts for longer than 24 hours — involves gluing electrodes to the scalp. The standard, medical grade glue hospitals and other services around the world use is called collodion.

At Seer Medical, we also use collodion to glue the electrodes for EEG recording to your scalp.

Collodion is preferred over other adhesives for this type of testing because it is extremely strong and durable for day-to-day wear. During sleep, for example, the head moves around on the pillow or mattress for several hours. Electrodes must be stuck on tight enough to withstand this kind of movement.

Collodion also has a high resistance to moisture — so it is water-resistant and sweat will not affect collodion's grip on the scalp.

Disconnection process

To remove the electrodes, a Seer Medical clinical scientist will first cut the electrode wires, leaving one inch of wire attached to the electrode. The clinical scientist will then use cotton swabs and acetone to begin the process of dissolving the collodion adhesive.

Collodion is ether-based glue, which means that it can only be removed with a solvent like acetone. Because it is such a strong adhesive, removing it can take some time and some people find it very uncomfortable both physically and because of the smell of the acetone.

Aftercare

Before your first shower after monitoring, use a comb or brush to slowly and gently comb through your hair and remove pieces of glue that have stuck to the hair. This may take some time, so be patient.

Once you are able to easily move the comb or brush through your hair, it is time to have a shower.

- We recommend washing your hair with shampoo twice.
- *Only apply conditioner once you are confident that the majority of the glue has been washed out.* If conditioner is used before the majority of the glue is removed, it will bind to the glue if any excess is left on the hair strands.

If you find that there are stubborn pieces of glue left in the hair strands, try using coconut or vegetable oil to loosen the glue and repeat the process of gently combing or brushing.

Do not pick at remaining glue that is stuck to the scalp. Hair grows about 0.5-1mm per day, so the excess glue should lift and loosen over 2-3 days. Repeat the combing, shampooing, and oil application processes as needed.

If you are concerned at any time please do not hesitate to call Seer Medical on 1300 869 888.