**EMLA cream information:**

* 1 g EMLA cream contains 25 mg lidocaine and 25 mg prilocaine
* The recommended dose for adults and adolescents over 12 years is 2 g (grams) per 10 cm² area of skin. One gram of EMLA cream pressed out of a tube of 30g is a strip of cream of ~3.5 cm.

**Instruction for EMLAcream application:**

* Put on gloves while handling the cream.
* The cream is put on to the scalp in a thick layer. It should cover the areas on the scalp where stimulation is applied, that is electrode locations O1, Oz, O2 and CPz,CP5,CP6. No cream should be put on the locations around the eyes!
* Ensure the cream is in good contact with the skin (and not only on top of the hair).
* Apply 3g (10.5 cm) of EMLA cream (2.5 cm diameter electrode + 1 cm extra margin = 4.5 cm diameter = 15.9 cm² → ~3g) to each occipital electrode site (O1, Oz, O2); Cave: electrode areas may overlap for smaller heads, reduce amount of cream accordingly.
* Apply 6g (21 cm) of EMLA cream (4.5 cm diameter electrode + 1 cm extra margin = 6.5 cm diameter = 33.2 cm² → ~6g) to each centroparietal electrode site (CPz, CP5, CP6)
* Thus in total 3\*3g + 3\*6g = 24 g of EMLA cream are required per subject (i.e., almost 1x 30g tube)
* Cover the area where the cream is with plastic wrap [ i.e. sticky foil].
* Wait 60 minutes.
* Wash the cream off and blow dry the hair (to avoid bridging of electrodes).