Single-channel transcranial electrical stimulation (tES) during functional MRI

– Recommendations –
Correct Setup

Place the ELECTRODE CABLE and the INNER BOX as shown. Otherwise the safety circuit of the ELECTRODE CABLES can be damaged!
Incorrect setup or cable loops can damage the safety circuit of the ELECTRODE CABLES.
The cable outlet MUST be placed correctly. Otherwise, the safety circuit of the electrode cable can be damaged.

The DC-STIMULATOR MR was designed for fMRI sequences (EPI). We recommend to remove the ELECTRODE CABLE from the patient during anatomical sequences. Rubber electrodes can be left on the patient's head.
Unfavourable location for OUTER box.

The longer the green box cable is outside of the MR scanner room, the more the fMRI picture becomes noisy.
Favourable location for OUTER box.

Place the OUTER BOX as close as possible to the wave guide. Increase the distances between power supplied devices and OUTER BOX. This results in good Signal-to-Noise-Ratio of the fMRI picture during tDCS/tACS.
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