

**S3 Table.** Isotropic conductivities for tissue types.

<b>Tissue</b>	<b>Isotropic conductivity (S/m)</b>
Grey matter	0.23
White matter	0.14
Cerebrospinal fluid	1.45
Glial scar	0.07
Muscle	0.32116
Tendon	0.38271
Bone	0.020157
Fat	0.022405
Skin	0.00020006
Disk	0.65
Blood	0.7
Air	1e-12