

CORRIGENDUM

Changes in the dielectric properties of rat tissue as a function of age at microwave frequencies

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Changes in the dielectric properties of rat tissue as a function of age at microwave frequencies

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In the above paper one of the parameters (σ) in table 6 was miscalculated by a factor of 2π . The corrected table 6 is presented below.

Table 6. Dielectric parameters of water dispersion in tissues obtained by fitting the experimental results at 37 °C. The $\pm$ term corresponds to the 95% confidence interval.

Tissue/age	ε_s	$\pm\varepsilon_s$	τ_{relax} (ps)	$\pm\tau_{\text{relax}}$ (ps)	α	$\pm\alpha$	σ (S m ⁻¹)	$\pm\sigma$ (S m ⁻¹)
Brain								
New born	65.0	0.3	8.23	0.30	0.11	0.01	0.91	0.016
10 days	60.0	0.3	8.06	0.29	0.10	0.01	0.82	0.015
20 days	49.4	0.4	7.83	0.46	0.18	0.02	0.67	0.017
30 days	49.7	0.4	8.31	0.47	0.18	0.02	0.62	0.018
50 days	45.8	0.5	8.38	0.56	0.19	0.02	0.57	0.019
70 days	44.8	0.3	9.40	0.38	0.12	0.01	0.54	0.013
Skull								
New born	39.9	0.2	9.21	0.31	0.17	0.01	0.61	0.009
10 days	32.5	0.3	10.05	0.43	0.24	0.01	0.37	0.008
20 days	30.2	0.5	11.04	1.03	0.25	0.03	0.30	0.017
30 days	27.1	0.6	12.72	1.49	0.28	0.03	0.27	0.01
50 days	27.8	1.0	13.55	2.96	0.32	0.04	0.23	0.03
70 days	18.3	0.3	15.60	1.44	0.22	0.02	0.15	0.01
Skin								
New born	58.68	0.23	8.22	0.22	0.15	0.009	0.89	0.002
10 days	40.48	0.17	8.81	0.24	0.12	0.01	0.62	0.001
20 days	36.58	0.46	9.32	0.71	0.21	0.03	0.54	0.003
30 days	36.35	0.59	9.44	0.89	0.24	0.03	0.49	0.003
50 days	31.12	0.30	11.08	0.60	0.15	0.02	0.43	0.002
70 days	31.06	0.19	12.27	0.42	0.11	0.01	0.41	0.001
Muscle								
New born	68.81	0.24	8.41	0.20	0.10	0.009	1.14	0.01
10 days	62.63	0.33	9.00	0.31	0.10	0.01	0.96	0.01
20 days	50.70	0.27	8.64	0.28	0.18	0.01	0.85	0.01
30 days	52.33	0.39	10.00	0.41	0.21	0.01	0.75	0.01
50 days	50.24	0.35	10.51	0.42	0.14	0.01	0.76	0.01
70 days	49.64	0.33	12.21	0.41	0.10	0.01	0.67	0.01
Salivary glands								
New born	62.71	0.25	8.29	0.22	0.14	0.01	1.07	0.011
10 days	58.56	0.30	8.65	0.30	0.10	0.01	0.91	0.014
20 days	47.92	0.28	8.85	0.32	0.15	0.01	0.75	0.012
30 days	47.79	0.27	8.78	0.30	0.19	0.01	0.66	0.011
50 days	46.43	0.38	9.37	0.46	0.18	0.02	0.68	0.015
70 days	46.33	0.37	10.51	0.47	0.16	0.02	0.64	0.016

Table 6. (Continued)

Tissue/age	ε_s	$\pm\varepsilon_s$	τ_{relax} (ps)	$\pm\tau_{\text{relax}}$ (ps)	α	$\pm\alpha$	σ (S m ⁻¹)	$\pm\sigma$ (S m ⁻¹)
Liver								
New born	53.42	0.33	9.87	0.32	0.12	0.01	0.85	0.02
10 days	54.51	0.38	8.74	0.35	0.12	0.02	0.85	0.02
20 days	49.05	0.34	9.69	0.35	0.12	0.02	0.69	0.02
30 days	47.10	0.41	9.14	0.42	0.17	0.02	0.62	0.02
50 days	47.09	0.43	9.93	0.46	0.15	0.02	0.64	0.02
70 days	47.11	0.87	9.64	0.88	0.19	0.04	0.64	0.04
Spleen								
New born	56.93	0.33	9.00	0.33	0.15	0.01	0.99	0.01
10 days	55.67	0.39	8.81	0.41	0.11	0.02	1.04	0.02
20 days	54.63	0.34	9.09	0.36	0.13	0.01	0.94	0.01
30 days	53.65	0.29	8.05	0.28	0.23	0.01	0.84	0.01
50 days	51.71	0.38	9.40	0.41	0.17	0.02	0.80	0.02
70 days	50.25	0.57	9.54	0.62	0.23	0.02	0.74	0.02
Tongue								
New born	60.32	0.34	9.57	0.33	0.12	0.01	1.05	0.01
10 days	61.14	0.38	9.68	0.35	0.12	0.01	0.94	0.02
20 days	51.37	0.27	9.66	0.30	0.01	0.01	0.78	0.01
30 days	47.37	0.24	9.00	0.29	0.15	0.01	0.76	0.01
50 days	51.59	0.26	9.41	0.30	0.19	0.01	0.78	0.01
70 days	53.94	0.38	10.09	0.41	0.13	0.02	0.79	0.02
Kidney								
New born	60.09	0.30	8.98	0.24	0.13	0.01	1.02	0.02
10 days	60.05	0.45	8.35	0.38	0.11	0.02	1.03	0.03
20 days	47.37	0.39	9.80	0.41	0.12	0.02	0.80	0.02
30 days	48.60	0.42	8.52	0.41	0.18	0.02	0.73	0.02
50 days	46.76	0.43	9.61	0.46	0.14	0.02	0.71	0.02
70 days	44.80	0.74	10.28	0.81	0.18	0.03	0.67	0.04
Tail								
New born	50.99	0.41	9.16	0.45	0.17	0.02	0.72	0.02
10 days	36.90	0.45	8.95	0.68	0.20	0.03	0.43	0.02
20 days	26.52	0.43	11.49	1.01	0.22	0.03	0.25	0.01
30 days	24.60	0.36	11.08	0.93	0.26	0.03	0.23	0.01
50 days	21.50	0.39	11.29	1.17	0.28	0.03	0.18	0.01
70 days	18.32	0.27	16.99	1.38	0.25	0.02	0.21	0.008