

Errata

WESSELINK, W. A., HOLSHEIMER, J. and BOOM, H. B. K. (1999): 'A model of the electrical behaviour of myelinated sensory nerve fibres based on human data', *Med. Biol. Eng. Comput.*, **37**, pp. 228–235

In the above paper, the following corrections apply:

Page 232 Figure 3: experimental data of VAN VEEN *et al.* are indicated by ■; experimental data of SCHALOW are indicated by ▲.

Page 233 Last sentence before '4.2 Implications for SCS modelling':

"The results show that the behaviour of the new model for human myelinated sensory nerve fibres corresponds substantially better with the properties measured for this type of human nerve fibre than other fibre models do."

Page 234 Additional text at the end of the Discussion:

"We determined the chronaxie of nerve fibres targeted in SCS, and compared this value with the chronaxie predicted by the new fibre model. Threshold voltages for the perception of paresthesia were measured with pulses of 90, 150, 210, 330 and 450 μ s duration in seven chronic pain patients using SCS. The mean chronaxie, corresponding to large afferent fibres and estimated by equation (4), was approximately 90 μ s (unpublished results). The chronaxie calculated with the human sensory nerve fibre model for large fibres (15 μ m) is 113–126 μ s, which is fairly close to the mean experimental value."

Appendix Gating variables

$$\text{4th equation: } b_h = 14.1 \times 10^3 / (1 + e^{(-28.8 - V)/13.4})$$

Parameters

$$p_{Na} \text{ sodium permeability: } 0.0704 \text{ dm}^3 / \text{m}^2 \text{ s}$$

Membrane currents

$$\text{7th equation: } i_{Na} = m^3 h p_{Na} V F^2 (N_{a_o} - N_{a_i} e^{VF/RT}) / RT (1 - e^{VF/RT})$$

- References** BOSTOCK and ROTHWELL: pp. 277–294
BUCHTHAL and ROSENFALCK: pp. 1–122
GILLIAT and WILSON: authors' names are GILLIATT, R. W. and WILLISON, R. G.
MOGYROS *et al.*: first author's name is MOGYOROS, I.
PAINTAL (1973): *New developments in electromyography and clinical neurophysiology*, Vol 2
WESSELINK *et al.*: published 1998 in *IEEE Trans. Biomed. Eng.*, **45**, pp. 1355–1362

CORKIDI, G., VEGA, L., MÁRQUEZ, J., ROJAS, E. and OSTROSKY-WEGMAN, P. (1998): 'Roughness feature of metaphase chromosome spreads and nuclei for automated cell proliferation analysis', *Med. Biol. Eng. Comput.*, **36**, pp. 679–685

In the above paper, the acknowledgements were omitted:

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