

Abstract Submitted  
for the MAS20 Meeting of  
The American Physical Society

**Mathematical Models for Living Forms in Medical Physics Submodel 1: The Information Processing from Teeth to Nerves** CHRISTINA POSPISIL, USA — This talk continues the presentation at APS March Meeting 2019 and APS April Meeting 2019. In this part of the project the first submodel is presented. The information processing from teeth to the nerves. Information processing is modeled via p-waves passing through the tooth layers enamel and dentin. Odontoblasts located in the liquid in the tubules of the tooth dentin layer perform finally the transformation into electrical information (an electrical signal) that passes along nerves. The presentation was scheduled for the APS March Meeting 2020 Conference (the APS March Meeting 2020 Conference got canceled because of Covid-19), the presentation was given at the APS April Meeting 2020 Conference.

Christina Pospisil  
USA

Date submitted: 29 Sep 2020

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