

Abstract

**DEVICE FOR MEASURING MUSCLE CONTRACTIONS AND/OR MUSCLE
RELAXATION, AND ASSOCIATED METHODS**

5 The present invention relates to a device (1) for measuring contractions and/or
relaxation of one or more muscles of a body cavity, said device (1) comprising a
hollow body (2) which is for positioning in said body cavity and which is covered by a
coating (3) made of or comprising a biocompatible material, said body (2) being
formed of two half-shells (7 and 8) which are each physically connected, permanently
10 and continuously during the use of said device (1), with the aid of non-compressible
or deformable connecting means (14), to at least one pressure sensor (11), or part of
said pressure sensor (11), arranged in said body. The invention also relates to a
method for measuring the contraction and/or relaxation of the muscles of a body
cavity, a method for monitoring the contractions and/or relaxation of the muscles, and
15 a method for exercising these muscles.