

iPhone App Aids Surgical Prep

Dr. Frederic Jacquot, an orthopedic surgeon from France, has developed an innovative iPhone application that can measure spine curvature angles “on the fly”. Just like other spine clinicians, Dr. Jacquot was trained to measure the Cobb angle, kyphosis angle and the sacral slope on spine radiographs. But instead of using a protractor, he realized that he could utilize the accelerometer inside the iPhone to do it.

All that one has to do in using the device is align the side of the iPhone to the standard tracings, and the position sensor built in to the iPhone will do the rest. The precision of the device itself is 1/10th of a degree - more precise than many measurements used in everyday practice.

Measures are logged for further use and may be sent by e-mail to the surgeon or staff for recording purposes, with the levels of the measured curve, type of curve and patient identification data. A calibration procedure was also implemented to accurately measure the angle with the horizontal plane, as in the sacral slope.

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http://www.surgicalproductsmag.com/news/2009/11/iphone-app-aids-surgical-prep?qt-recent_videos=0