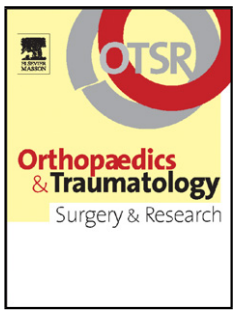

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Author: N. Reina J. Cognault M. Ollivier L. Dagneaux M.O. Gauci R. Pailhé

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Technical note

The CJOrtho app: a mobile clinical and educational tool for orthopedics

N. Reina[1*], J. Cognault[1], M. Ollivier[1], L. Dagneaux[1], M.-O. Gauci[1], R. Pailhé[1]

[1] Collège des Jeunes Orthopédistes, 56 rue Boissonnade, 75014 Paris, France

* Corresponding author and requests for reprints
Nicolas Reina
reina.n@chu-toulouse.fr

ABSTRACT
The need for modern patient evaluation tools continues to grow. A dependable and reproducible assessment provides objective follow-up and increases the validity of collected data. This is where mobile apps come into play, as they provide a link between surgeons and patients. They also open the possibility of interacting with other healthcare staff to exchange common scientific reference systems and databases. The CJOrtho app provides fast access to 65 classification systems in orthopedics or trauma surgery, 20 clinical outcome scores and a digital goniometer. The development of free mobile apps is an opportunity for education and better follow-up, while meeting the demands of patients.

Keywords: Mobile app; Clinical scores; Classifications; Goniometer

INTRODUCTION

Mobile apps are being increasingly used in medical practice. While orthopedics has not been left behind, it is a bit late to the party, as Rozental et al[1] stated about the internet being a communication and educational tool. Healthcare practitioners have asked for such tools to support initial education, continuing education and their daily practice[2].
Our orthopedics practice has become more standardized, thus requires reliable data and common reference systems. Several themes have emerged in the available mobile apps for our specialty: fracture classification, goniometer, functional evaluation, patient records, etc. However, the multiplicity of sources requires an assistant just to compile the information. Given this need, the French College of Young Orthopedists *(Collège des Jeunes Orthopédistes – CJO)* developed a mobile app "CJOrtho" that combines these various functions and can be used by surgeons and other healthcare professionals. It is available in the AppStore[3] (iOS operating system; Apple, Cupertino, CA) and on Google Play[4] (Android operating system; Google, Mountain View, CA). In this technical note, we report our experience with this free app, available in French and English, that can be used in daily practice, and describe its uptake 4 years after being released.