

myRIAP: making RIAP data easily accessible for patients

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Introduction

The final goal of healthcare registries is to create value for patients. Providing them with dedicated data-based services to access data is one of the key assets for registries. myRIAP is the concept for a web application designed by the Italian Arthroplasty Registry (RIAP), to allow patients to collect and access to their data making them actively involved in the RIAP activities.

Materials and methods

myRIAP was designed as a responsive web-application, accessible from both computers and mobile devices for all patients that gave their consent to be recorded in RIAP. Access is immediate using the digital identity recognized by the Italian Public Identification System, without requiring neither further registrations nor installation of any application. Additionally, the user experience is consistent across the possible devices each patient may use to access the application. After successfully logging in, patients access their personal myRIAP patient area (Figure 2), from which all the main functionalities of the application are available (Figure 1).

Results

By using myRIAP, patients can:

- see the full history of their joint replacements and of all the implanted devices
- export reports and summaries of surgeries as well as identity cards of the implanted and removed devices
- report if there are inconsistencies in the presented data
- check if there are Field Safety Notices referring to their devices
- decide to participate in dedicated PROMs data collection and follow-up studies

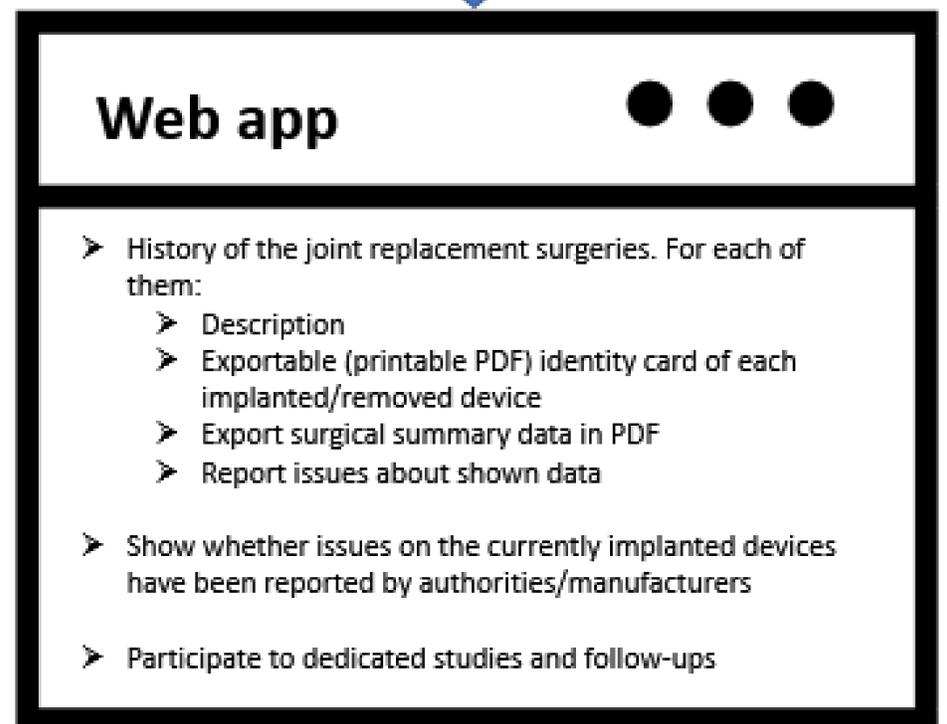
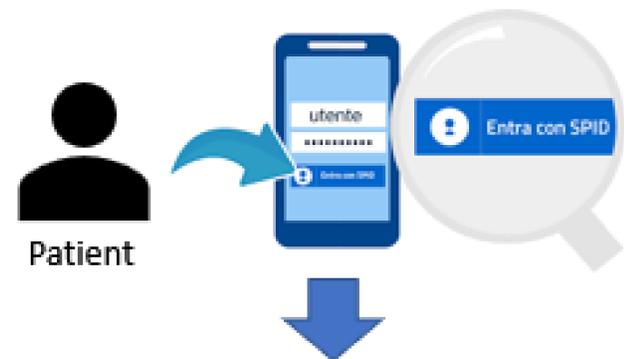


Figure 1. Application login and main functionalities

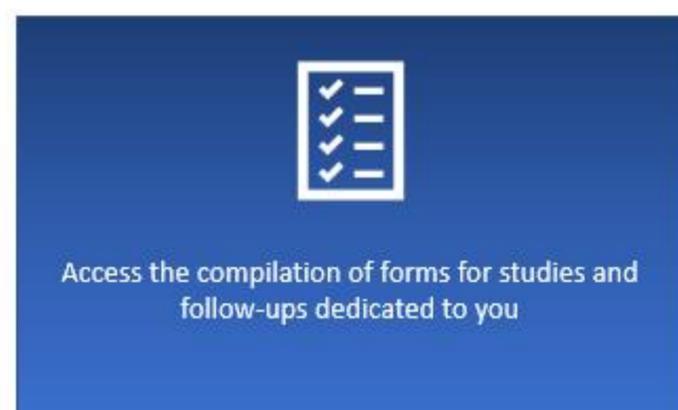
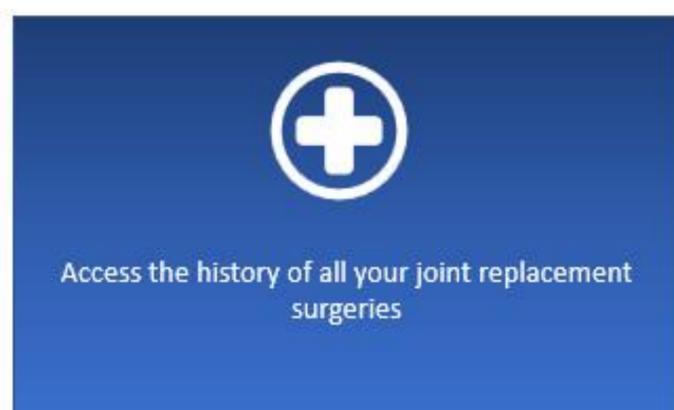


Figure 2. The prototype of the user interface of myRIAP

Discussion/Conclusion

The final goal of myRIAP is to allow patients to actively participate in the Registry. Indeed, by using myRIAP they can feed the registry with additional data and contribute to improve the overall quality of clinical data. Moreover, myRIAP may represent a useful tool for them in case of issues with their implanted devices, because it offers a repository for data related to both the surgery and the implanted devices.

The possibility to export most of such data allows patients to build their own health records as needed, while also increasing their awareness about their implanted devices.

In the future, we plan to extend these services also to the other registries included in the Italian Implantable Prostheses Registry (RIPI) by designing myRIPI, an evolution of myRIAP.