AQRDATE PROGRAM APPLIED TO DAILY LIFE ACTIVITIES FOR PATIENTS WITH BRAIN DAMAGE.

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INTRODUCTION: The project aims to develop a system based on mobile devices for helping people with acquired brain damage on the development of the Daily Life Activities (DLA). These activities stop being doing autonomously because of an alteration within the mental superior functions.

MATERIAL AND METHODS: We combine the 2D tags with the mobile phone. The 2D codes are used to associate web links to objects or places, so the user receives a web page with information about the task when he reads the specific 2D code. The mobile phones which have a camera are prepared to read information included in the tags. The tasks selected are: doing orange juice and a cup of coffee, making two toasts and spread jam and butter on them. These tasks were subdivided into subtasks which will be showing in the phone screen sequentially.

RESULTS: Once the task is completed, the system automatically will notify the researchers the data related to the total time used on the development of the task, time passed between a task and another one, knowing whether the user needed or not notifications for continuing with the task, etc.

CONCLUSIONS AND RECOMMENDATIONS: The preliminary results are encouraging, since from the information sent periodically by the family, we deduce that the device's functionality is proper for its use at home and that it is helpful enough for incrementing the functional capability of the patient. We hope that the development of this system will let us to increase the number of tasks included on it.

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BIBLIOGRAPHY:
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