





Clinical Practices and its problems for students

- Clinical Practices with real patients
- The time of response is a determinant factor
- A lot of questions and doubts and without the possibility to consult medical literature
- Students need a quick answer





Finding Solutions

- Students wrote a project to help themselves in their clinical practices: A Quick Guide Pocket
- Presented their project in an Innovation
 Teaching Workshop held at Medical School in 2006, and asked some help to develop it.





Born a New Project

- Medical School re-wrote the initial project and transform it in an Innovation Teaching Project
- Grant from a Catalan Government to its development and implementation
- Students, Teachers, Physicians, Computer & Multimedia Technicians, Librarians... are implicated in this project





Innovation Teaching Project: Use PDA in Clinical Practices

- Free Election Subject
- Students write educational material refilling a standard form
- Teachers and Hospital Residents revised educational material than Students have written
- The Teacher Coordinator of this project, and responsible of subject, publish educational material written by students as an e-book





Structure for Teaching Units

- One unit for each Clinical Speciality (around 20). Are the educational materials
- Each unit contents around 15-20 real clinical cases
- Clinical cases contents the description, symptomatology, medical treatments, evolution... of each case, and sometimes also photos or graphics to help students in their clinical practices





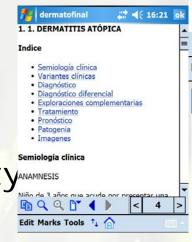
WORK TEAM

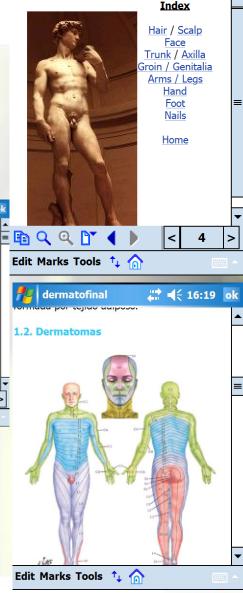
- Teacher Coordinator
- Fellow responsible for the layout
- Fellow Coordinator
- Students
- Computer Service
- Medical Library
- Learning Resource Center



First Trial

- •One unit *Dermatology* with 25 Clinical Cases as a trial version
- •The main results were:
 - -Less time to response
 - -Student have more security





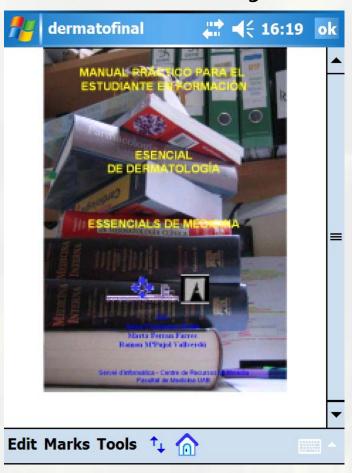
Regional





Project at this moment I

Units are ready to transform in ebook:



- Cardiology
- Dermatology
- Digestive
- Haematology
- Ophthalmology
- ORL
- Pneumology
- Surgery
- Rheumatology



Project at this moment II

 June: Fourth course Teaching Units are ready.
 We are working to transform them in IsiLo format (eBook)

 July: We'll contact technology companies to get an agreement and give a low cost PDA to students



Comming Planning

- Fourth Course Medical students will start theirs clinical practices with this Teaching Units next September
- Fifth course students will write new materials.
 They will ready in June 2009
- 2009-2010 students from fourth and fifth course will be do clinical practices with this Teaching Units
- 2010-2011 Teaching Units for clinical practices of fourth, fifth and sixth course will be ready



Needs support to the project

- Distribution Channels for news materials
- Management access and control of materials
- Management Licensing
- Develop procedures for updating content.
- Ensuring universal access to content
- New services for new devices





Challenges for Medical Library

- New service: Loan mobile devices (PDA)
- Make easier access to Teaching Units
- Make guides and tutorials
- New users training
- Creating a web portal for PDAs resources
 - Distribution of Update Teaching Units
 - Compilation of library resources for PDAs
 - Compilation of utilities for mobile device
 - Guides of software and hardware
 - Web 2.0 so that students make their contributions





Challenges for Informatics Services and Learning Resources Centre

Designing a web portal that contain:

Update of educational materials as a eBooks

Update of educational materials in Web format

Downloading software for mobile devices

Downloading eBooks regardless of which type of mobile device is. It adapts the content to the device.

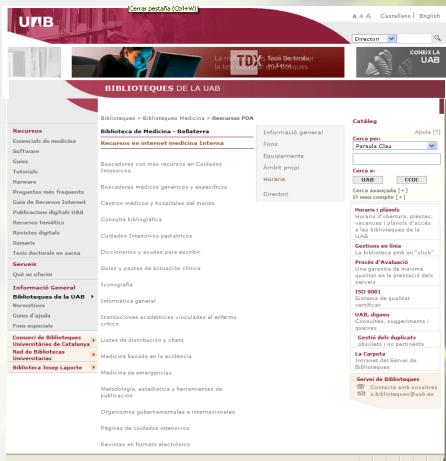
Tutorials how to use mobile devices





View of Web Portal







Advantages

- Students write Teaching Units
- Support continued to practice
- Quick
- Review and update
- Support for prepare a test
- Consultation with search engine

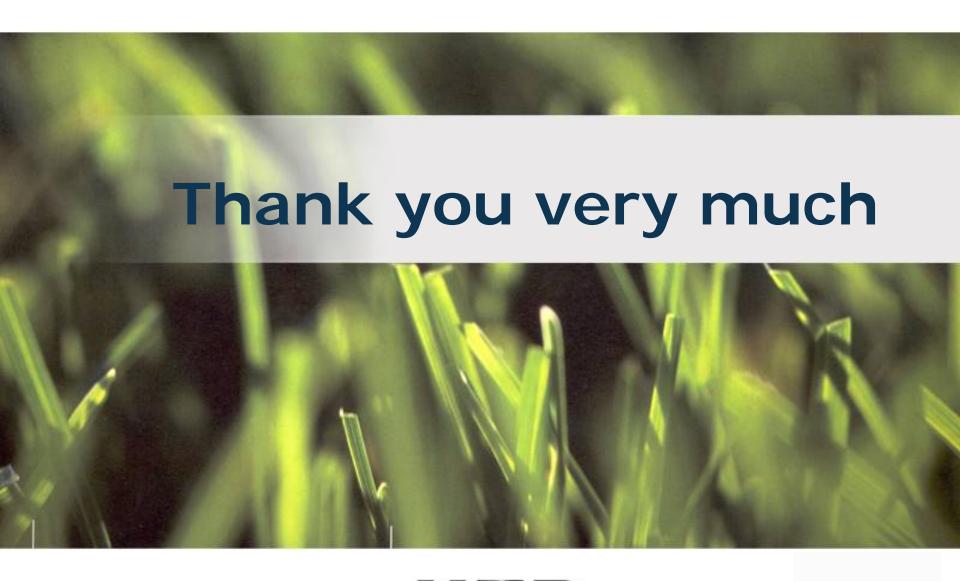




Conclusions

- Improvement in the performance of clinical practice
- Students learn better
- They have more security in front of the patient
- Quick response
- Introduce TIC's in clinical practice





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