

Clinical PDA Applications

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<http://fpm.emory.edu/Family/cliniclinks.cfm>
then click on PDA resources

Clinical Case

1. A 35 yo female diabetic presents with an infected ingrown toenail. You can't remember the ICD-9 code for "paronychia" and it's not immediately available on your cheat sheet. What do you do?

ICDMeister demo

Now you want to prescribe an antibiotic and an NSAID. Your patient can't remember what insurance plan she has...it's something that pays☺ You choose Augmentin and Mobic (because they just sponsored your lunch, right?!!) Then she tells you that she has BCBS HMO. How do you know if they're covered?

Epocrates demo.

If you want to switch to a covered drug, how do you find out which ones are covered by BCBS? Epocrates formulary demo.

PDA Comments

1. PDAs are now relatively inexpensive. You can buy a moderately "juiced" PDA for \$200 new. You can go online and buy a new Tungsten E2 with 32 MB of memory for \$175.00 - \$200.00. A Palm TX with WiFi and Bluetooth with 128MB memory costs \$300.00

Things you want in a PDA:

- Fast processor – makes for fast application speed
 - Internal memory – 32 MB minimum is nice
 - Palm vs PC OS – Palm OS has more applications. PC OS runs like Windows if you're familiar with this.
 - Color screen, expandability (card slots)
2. Assorted Gizmos
- Digital camera
 - To phone or not to phone. Phone PDAs (E.g., Palm Treo) generally have smaller screens.
 - Bluetooth
 - Wireless Access – can do internet searches from the Palm itself – Wow!
 - Infrared port – can beam to an infrared printer without a computer.
3. How to download.
- Go to the relevant web site.
 - Find the application you want to download.
 - Download it. I recommend creating a folder for all your PDA downloads. I call mine "Palm stuff."

PDA Applications

1. Palm Desktop – CD ROM software that comes with the PDA
 - Calendars, Memos, Pictures, Contacts, can beam business card.
 2. Epocrates (and other drug lists, formularies)
 - Epocrates essentials vs Epocrates Pro.
 3. Document readers
 - Documents to go basic and professional edition
 - iSilo
 4. Griffith's Five Minute Clinical Consult is an excellent PDA resource to use at the bedside or in clinic. It lists many diseases, their characteristics, the DDx, treatment options, ICD-9 codes, and sometimes pictures depending on the disease.
- Demo on ankylosing spondylitis

5. Medrules is a program with 40 clinical rules. Some examples include:
 - Centor criteria for predicting strep throat (Centor Arch Intern Med 1986)
 - Bishop's score for predicting successful inductions.
 - Gail model for predicting breast cancer risk
 - Ottawa ankle rules (foot and knee as well)
 - Pre-operative risk for cardiac events (three different calculators: Goldman, Detsky, and Lee)
 - DVT probability (Well's criteria)***
6. Medmath has 30 clinical rules. I use:
 - BMI calculator
 - Predicted peak flow
7. Medcalc is another one with 76 formulas
8. OB dating – many different applications. I use OB wheel at www.FPpda.com. The registration code is 598e24.
9. Pneumonia severity index, from the Fine paper in NEJM. Several calculators available for this. I use the PSI calculator from the Agency for Healthcare Research and Quality at www.AHRQ.gov. This helps you to decide when to admit pts and when they can potentially be managed as outpatients.
10. Myocardial infarction calculator from the ATP III trial in JAMA. I use the calculator from the National Heart, Lung, and Blood Institute at www.nhlbi.nih.gov. This is a very powerful EBM tool. It allows you to calculate the chance a patient will have an MI in the next ten years based on patient information that you input. You do it with the patient watching. Then you change a few things, simulating patient responses to medication and behavioral modifications. Then you recalculate the ATP III risk. Now you have the patient's attention when you show them that you just dropped their risk by 5-10 percentage points.
11. Eponyms – a list of all those strange and unusual diseases that are fancy enough to have their own name. E.g., Virchow's node, Horner's syndrome, pick your favorite escoterica – it's there.
12. Need to calculate a MMSE (Mini-mental state exam) for that 73 yo patient with memory issues? Use MentSTAT at the bedside – forget searching for those written forms. You can't remember where you put them anyway ☺ MentSTAT is a 30 point MMSE calculator.
13. Need a Derm atlas and you can't afford the latest Habif? Go to www.MeisterMed.com and download their DermMeister for free. Let's watch the demo...
14. Potential for electronic prescribing: www.iScribe.com – web version and PDA app.

My PDA crashed!!! What now?!! My testimony☺



Beam me up, Scottie!!!

Great web sites to surf for palm information:

www.fppda.com

www.palm.com

www.meistermed.com/

www.myhq.com/public/a/1/alper/

www.handheldmed.com/

www.pdamd.com/

<http://www.dynamicmedical.com/>

What's Beamable? (and Free!!!)

Johns Hopkins Antibiotic Guide

Useful Hopkins version of "Sanford"

<http://hopkins-abxguide.org/>

ATP III calculator

Used to calculate the 10 year risk of MI in a patient

<http://hin.nhlbi.nih.gov/atp3/atp3palm.htm>

COPD Gold Criteria

Criteria for Dx and Rx of COPD

<http://www.goldcopd.com/>

Diagnosaurus

Excellent DDx tool

<http://books.mcgraw-hill.com/medical/diagnosaurus/>

Epocrates Rx (and Epocrates plain)

Excellent tool for prescription look up. You can also add pharmacy formularies and check for drug-drug interactions.

<http://www2.epocrates.com/products/rx>

Eponyms

Ever wanted to know what an "Osborn wave" was?

<http://eponyms.net/>

Geriatrics

General reference resource for geriatric medicine

<http://www.geriatricsatyourfingertips.org/front-back/pda.asp>

Growth-BP

Calculates pediatric growth/weight, to include BMI % for age

<http://www.statcoder.com/growthcharts.htm>

ICU Math

ICU formulas

JNC 7

Hypertension gold standard reference

<http://www.nhlbi.nih.gov/guidelines/hypertension/>

iSilo

Great document reader. Trial version is free. Real version is \$19.99 as of 5/25/06

<http://www.isilo.com/>

MDRD Calculator

GFR calculator – awesome clinic tool

http://nkdep.nih.gov/professionals/gfr_calculators/index.htm

Medrules

Set of clinical rules – this is a great collection and every PDA should have it.

<http://pbrain.hypermart.net/medrules.html>

NSBRuntime - software

Required to run Medrules

Download this with Medrules

Medmath

Another set of clinical decision rules

<http://smi-web.stanford.edu/people/pcheng/medmath>

MentSTAT

Calculate the mini-mental state exam at the bedside – how much can you remember? ☺

<http://www.tonywitte.com>

OB Wheel

EDC, Bishop's score, great OB resource

<http://fppda.com/timob.html>

PSI (Pneumonia)

Using the Fine criteria (Fine, NEJM, 1997), calculate mortality from pneumonia

<http://www.palmgear.com/index.cfm?fuseaction=software.showsoftware&PartnerREF=&siteid=1&prodID=43270>

Shots2007

Up to date version of immunizations

<http://www.immunizationed.org>

USPSTF Tool

Stellar tool for prevention guidelines

Emory Family Medicine PDA orientation

Emory Family Medicine purchased it. You carry it around. Why not use it??

If you spend half a day with your PDA (ideally in orientation month) it will make your WHOLE YEAR easier. Trust me.....

Palm programs:

IM / FM /Cards

MedRules <http://pbrain.hypermart.net/medrules.html>

Epocrates Rx <http://www2.epocrates.com/products/rx>

MedMath <http://smi-web.stanford.edu/people/pcheng/medmath>

ATP III Guideline Calculator <http://hin.nhlbi.nih.gov/atp3/atp3palm.htm>

Johns Hopkins University Antibiotic Guide <http://www.hopkins-abxguide.org>

Diagnosaurus <http://books.mcgraw-hill.com/medical/diagnosaurus/>

Interactive Preventive Services Selector <http://198.76.191.14/ipss/ipss.htm>

Timi Calculator <http://www.timi.org/>

OB--- OB Wheel calculate LMP, EDC, UA, Bishop scoring.

<http://fppda.com/timob.html>

ICU--

<http://www.palmgear.com/index.cfm?fuseaction=software.answernew&PartnerREF=&siteid=1&keyword=icu>

ICU math

PSI

Apache II score

PedsWards Stat Growth-BP (<http://www.statcoder.com/growthcharts.htm>)

Nursery— Hyperbili calc <http://fppda.com/tim.htm>

PEC--- Shots 2007 (<http://www.immunizationed.org>)

Surgery- Stat Cardiac Clearance (<http://www.statcoder.com/cardiac1.htm>) -

Neuro- MentStat (<http://www.tonywitte.com>)

Sites to surf::

Palm Computing - www.palm.com

CollectiveMed - <http://www.collectivemed.com>

Peripheral Brain - <http://pbrain.hypermart.net/>

Handheldmed - <http://www.handheldmed.com>

Handango - www.handango.com

Handspring - <http://www.handspring.com>

MemoWare - www.memoware.com

PalmGear H.Q. - <http://www.palmgear.com>

PDA MD.com - www.pdamd.com

Healthy PalmPilot - <http://www.healthypalmpilot.com>