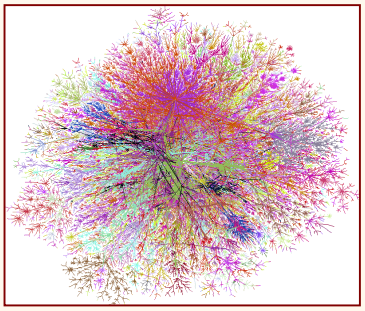
MEDICINSKA INFORMATIKA

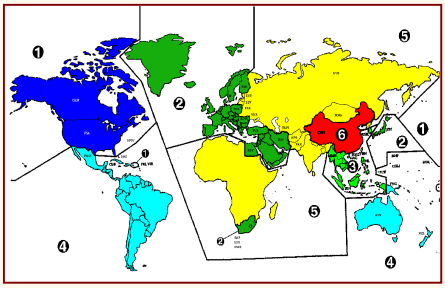
Medicinska informatika
akad. god. 2008./09.,
završno predavanje

Povezivanje…



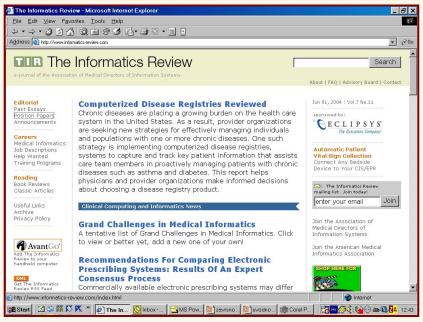
http://www.cs.bell-labs.com/who/ches/map/

…i razdvajanje ☹



http://www.unik.no/~robert/hifi/dvd/world.html

E-časopisi



E. Coiera, 1998. (TIR)

The computer, the telephone, the Web, video – these, and all that is still to come, are unquestionably powerful tools. Used badly, they waste time and money, and dehumanise our interactions with each other. Used well, guided by a clear understanding of basic informatics principles, they are neither to be feared, loved nor loathed. They are simply to be used.
In the next century, the study of informatics will become as fundamental to the practice of medicine as anatomy has been to the last.

http://www.informatics-review.com/thoughts/skills.html#Ten essential clinical informatics skills

Obrazovanje u digitalnoj znanosti (u medicinskim strukama)

- Kako rabiti digitalnu znanost?
  (VJEŠTINE)
- Što jest digitalna znanost?
  (ZNANJE)

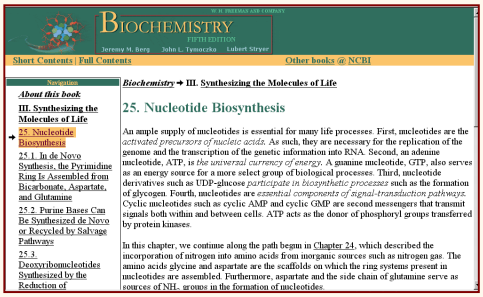
nastavnik
predavač → voditelj
koordinator

10 vještina (E. Coiera)

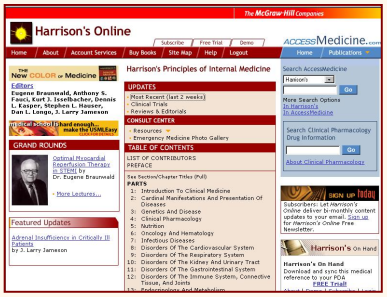
Clinicians should be able to:

1. Understand the dynamic and uncertain nature of medical knowledge and know how to keep personal knowledge and skills up-to-date
2. Search for and assess knowledge according to the statistical basis of scientific evidence
3. Understand some of the logical and statistical models of the diagnostic process
4. Interpret uncertain clinical data and deal with artefact and error
5. Analyse and structure clinical decisions in terms of risks and benefits
6. Adapt and apply clinical knowledge to the individual circumstances of patients
7. Access, assess, select and apply a treatment guideline; adapt it to local circumstances; and communicate and record variations in treatment plan and outcome
8. **Structure and record clinical data in a form appropriate for the immediate clinical task, for communication with colleagues, or for epidemiological purposes**
9. **Select and utilize the most appropriate communication method for a given task (eg, face-to-face conversation, telephone, e-mail, video, voice-mail, letter)**
10. **Structure and communicate messages in a manner most suited to the recipient, task and chosen communication medium.**

E-udžbenici, $

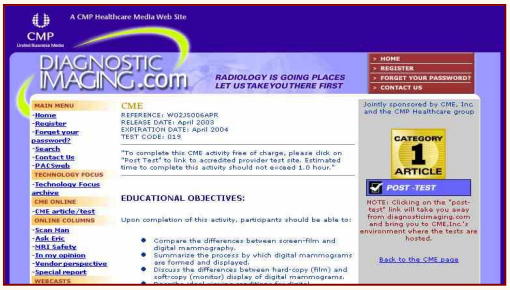


E-udžbenici, $



http://www.harrisonsonline.com/

Izravno učenje s interneta



http://www.diagnosticimaging.com/cme/articles/019.pdf

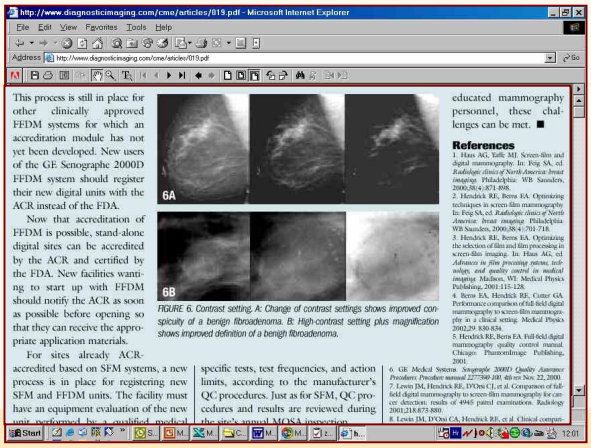


FIGURE 6. Contrast setting. A: Change of contrast settings shows improved conspicuity of a benign fibroadenoma. B: High-contrast setting plus magnification shows improved definition of a benign fibroadenoma.

…s testom znanja

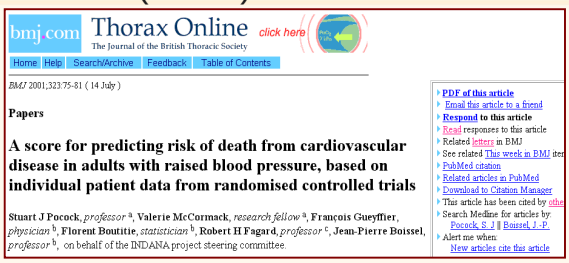
DIAGNOSTIC IMAGING.com CME CONTINUING MEDICAL EDUCATION CATEGORY 1 ARTICLE

http://www.mhsource.com/diagnostic/

... i u Hrvatskoj

http://medix.com.hr

Izravno (*on-line*)...



http://bmj.com/cgi/content/full/323/7304/75

http://www.riskscore.org.uk/

E-tromboza!

- e-Thrombosis, a new threat for the 21st century
- The risk of developing life-threatening blood clots from sitting for long periods at a computer was revealed today in a case report from New Zealand. A young man who spent up to 18 hours a day sitting at his computer nearly died after developing a massive blood clot that formed in his leg veins, broke off and travelled to his lungs (pulmonary embolism).

TIR, Vol. 6 No. 7

Studentski seminar

- prikazi na računalu:
  - količina sadržaja (vrijeme na raspolaganju)
  - izradba "na brzinu" ☹
  - plagiranje ☹☹☹
  - preslika izvornog teksta – loše!
  - važno znati i razumijeti sadržaj, poznavati sve izraze, kratice i tumačenja
  - jako bitno: hrvatski književni jezik! ☺
  - šarenilo, animacije – nepotrebno!

Stud. seminar – pismenost

..slijedi da će se V sastanak (Journal Club) Katedre za informatiku održati u četvrtak (3 lipnja 04 .) u 19 sati u informatičkoj učionici .Obrađivat će se poglavlja prema sljedećem rasporedu : Gordana B.-10. poglavlje, Lidija B.Z.-11. poglavlje i Mladen P.-12. poglavlje .
Izvor podataka : " Uvod u znanstveni rad u medicini " ,Med.naklada , III.izd.(žuto),2004.god.Podrazumijeva se da svi učesnici pomno prouče sva navedena poglavlja i aktivno se uključe u raspravu.
sdačno ,

Lidija Bilić - Zulle

Stud. seminar – pismenost

…slijedi da će se IV. sastanak (*Journal Club*) Katedre za informatiku održati u četvrtak, 16. lipnja 05., u 19 sati u informatičkoj učionici. Obrađivat će se poglavlja prema sljedećem rasporedu: Gordana B. – 10. poglavlje, Lidija B.Z. – 11. poglavlje i Mladen P. – 12. poglavlje.
Izvor podataka: "Uvod u znanstveni rad u medicini", Med. naklada, III. izd. (žuto), 2004. god. Podrazumijeva se da svi učesnici pomno prouče sva navedena poglavlja i aktivno se uključe u raspravu.
Srdačno,

Lidija Bilić-Zulle

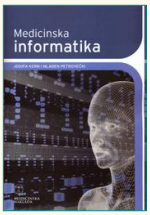
Studentski seminari

- početak
  - pozdrav, predstavljanje
  - "ja, nažalost, nisam…"
  - "bit ću kratak…"
- završetak, zadnja rečenica, zaključak, pitanje...
  - "i to je to"
- zanimanje za to što se radi
- timski rad

Studentski seminari, izlaganja

- tekst – previše ili premalo?
- količina cjelokupne meterije
- didaktički sadržaji (učenje)
- izlaganje, pogled ka...
- primjeri izvan zadanoga teksta
- slike (grafički prikaz)
- vrijeme izlaganja

Ispit: gradivo



- udžbenik
- nastava
  - seminari
  - vježbe

Dopunsko gradivo

- Degoulet P, Fieschi M.
  Introduction to Clinical Informatics
  Springer, 1997.
- Van Bemmel JH, Musen MA.
  Handbook of Medical Informatics
  Springer, 1997.
  http://www.mieur.nl/mihandbook/r_3_2/handbook/home.htm

Ispitna razdoblja

- mrežne stranice Fakulteta

- pismeni ispit: 45 minuta
- rezultati: 30 minuta nakon ispita
- usmeni ispit:
  - nije obvezan
  - odmah nakon objave rezultata
- upis ocjena: odmah nakon objavljivanja rezultata

Pozornost: prijava i odjava ispita – Studis!

Medicinska informatika

http://mi.medri.hr/

mi@medri.hr

Studenti se primaju **svakim danom** od 12-14 sati

Konzultacije **utorkom i četvrtkom** 14-16 sati

Ispit

Bodova	Ocjena
0 - 11	nedovoljan
12 - 13	dovoljan
14 - 16	dobar
17 - 19	vrlo dobar
20 -	izvrstan

- pismeni:
  - test, 22 pitanja, 45 min
  - primjer testa na mrežnim stranicama
  - pribrajanje plus/minus bodova stečenih na nastavi
- usmeni:
  - 5 pitanja
  - objavljena na mrežnim stranicama

Hvala na pozornosti...

...i puno uspjeha na ispitu.

Molim još trenutak strpljenja za studentsku anketu...

Medicinski fakultet Sveučilišta u Rijeci Katedra za medicinsku informatiku