

# continuing medical education

## **Bioinformatic tools for cancer geneticists**

Stankov K.

*Arch Oncol* 2005;13(2):69-75.

### **Question 1.**

Expression pattern of cancer susceptibility genes may not be screened by which of the following methods?

- a. RT-PCR
- b. exon trapping
- c. Northern blotting
- d. in situ mRNA hybridization

### **Question 2.**

Human genome contains how many different chromosomes:

- a. 23
- b. 24
- c. 46
- d. 48

### **Question 3.**

The initiator codon in mRNA sequence is almost always:

- a. UAG
- b. UAA
- c. AUG
- d. UGA

### **Question 4.**

The science which integrates biology with information technologies is:

- a. bioinformatics
- b. biochemistry
- c. biotechnology
- d. biophysics

### **Answers:**

- |             |    |    |    |    |
|-------------|----|----|----|----|
| Question 1. | a. | b. | c. | d. |
| Question 2. | a. | b. | c. | d. |
| Question 3. | a. | b. | c. | d. |
| Question 4. | a. | b. | c. | d. |

Please circle correct answers and fill out a following application form:

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### **Deadline for submitting the answers is October 1, 2005**

*After several years of consideration the Editorial Board of the Archive of Oncology has decided to initiate a new heading in the journal titled Continuing Medical Education (CME). The aims were to popularize the idea of CME, to include it in the international system of medical education and Continuing Professional Development (CPD), and to form a database available to our readers. Through the cooperation with other centers for medical education in Serbia, medical associations, ministries for healthcare and education, and European Credit Transfer System we are planning to introduce CME credit system. We would appreciate all suggestions, propositions, and new ideas you might have regarding CME and CPD.*

**The guidelines on antibiotic application in gynaecological oncology**

Mladenović-Segeđi Lj, Segeđi D, Radaković J, Ilić M, Kojić S.

Arch Oncol 2005;13(2):83-5.

**Question 1.**

Which of the following antibiotic(s) should be applied perioperatively most frequently:

- a. Aminoglycosides
- b. First generation cephalosporin
- c. Fourth generation cephalosporin
- d. Combination of several antibiotics

**Question 2.**

In abdominal and vaginal hysterectomy, an antibiotic is applied preoperatively:

- a. Intramuscularly two hours prior to the surgery
- b. Intramuscularly one hour prior to the surgery
- c. Intravenously one hour prior to the surgery
- d. Intravenously 20-30 minutes prior to the surgery
- e. Intravenously just before the incision

**Question 3.**

The development of the resistant breeds of bacteria in hospitals is most often caused by inadequate application of:

- a. Antibiotics, in general
- b. First generation cephalosporin
- c. Second-generation cephalosporin
- d. Third generation cephalosporin
- e. Fourth generation cephalosporin

**Question 4.**

Body's defence against infection begins:

- a. Immediately after the incision
- b. One hour after the beginning of the surgery
- c. Two hours after the beginning of the surgery
- d. Three hours after the beginning of the surgery

In each question, there can be one or more than one correct answers

**Answers:**

- |             |    |    |    |    |    |
|-------------|----|----|----|----|----|
| Question 1. | a. | b. | c. | d. |    |
| Question 2. | a. | b. | c. | d. | e. |
| Question 3. | a. | b. | c. | d. | e. |
| Question 4. | a. | b. | c. | d. |    |

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