

Slide 1

Osnovni principi analize uzorka  
genitalnog trakta i mlečne žlezde  
domaćih životinja

Prof. dr Slobodanka Vakanjac

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Slide 2

Razlozi ?

- Fiziološki aspekti (određivanje faze polnog ciklusa)
- Patološki aspekti (bolesti reproduktivnog sistema)

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Slide 3

Analize

- Mikrobiološke
- Citološke

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Slide 4

**Poreklo uzorka**

- Uzorci genitalnog trakta mogu se uzeti iz:
  - Vagine
  - Cerviksa
  - Uterusa
  - Prepucijuma
  - Testisa
  - Prostate
  - Ejakulata/semena
  - Mleka
  - Mlečne žlezde

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Slide 5

**Vrste uzorka**

- Uzorci za bakteriološke analize 
- Uzorci za citološke analize 
- Biopsije 

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Slide 6

**Bakteriološki brisevi**

- Mogu se uzeti iz:
  - Vagine
  - cerviksa
  - Uterusa
  - Prepucijuma
  - Ejakulat
  - Iz mleka

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Slide 7

**Razlozi?**

- Dijagnoza bakteriološke i mikološke infekcije - biogram
- Staphylococcus aureus*,
- Streptococcus agalactiae*
- E. coli*, *Pseudomonas aeruginosa*
- Candida albicans*...
- Antibiogram odabir antibiotika za terapiju**



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Slide 8

**Vaginalni bris kuje**

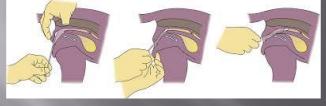


Illustration showing the three steps of a vaginal swab collection: 1. Insertion of the swab into the vaginal canal. 2. Rotation of the swab within the canal. 3. Removal of the swab and placement into a collection tube.

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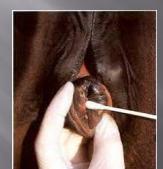
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Slide 9

**Bris kobila**

- Taylorella equigenitalis*



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Slide 10

### Vaginalni citološki bris Kuja

- jedna od najčešće korišćenih metoda
- jedna od najjednostavnijih metoda
- opisna je i subjektivna
- opisana je prvi put krajem '70-ih godina prošlog veka

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Slide 11

- za determinaciju estrusa, interestrus ili anestrus
- kao potvrda parenja  
(na plodici se mogu pronaći spermatozoidi)
- za detekciju "tihog" estrusa
- za dijagnostikovanje različitih patoloških stanja uterusa ili vagine (vaginitis, endometritis, piometra)
- za dijagnostikovanje različitih patoloških promena na jajnicima (tumori, ciste)

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Slide 12

- promene u strukturi epitela zida vagine pod uticajem ženskih polnih hormona
- slojevi epitelnih ćelija zida vagine fiziološki se menjaju kroz fazu ciklusa:
  - male, parabazalne, sa velikim, izraženim jedrom
  - srednje velike, još uvek sa jedrom,
  - kornifikovane, superficialne ćelije

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Slide 13



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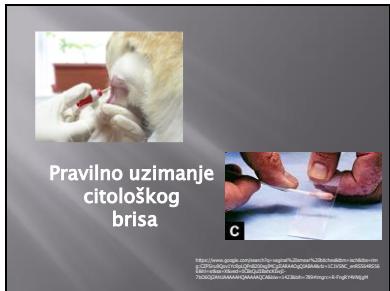
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Slide 15



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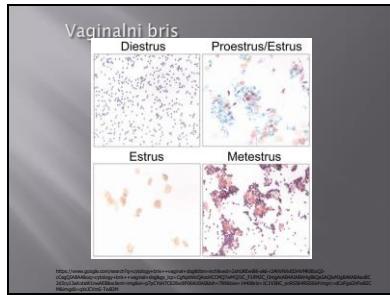
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Slide 16



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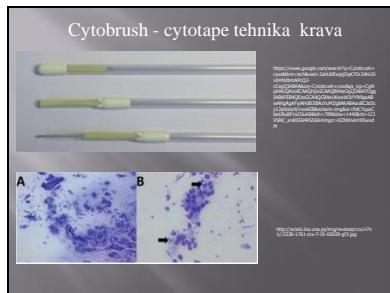
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Slide 17



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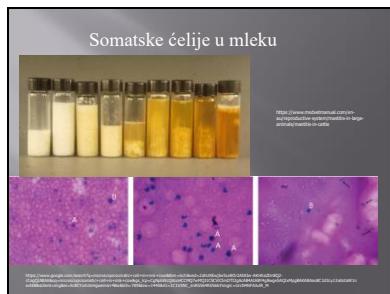
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Slide 18



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Slide 19



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Slide 20



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