

# Lugansk National Agrarian University



**Faculty of Veterinary Medicine**

**Department of Surgery and  
diseases of small animals**

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*Use of propolis oil and sorbents in the treatment of cow purulent necrotic processes in the area of toes and treatment of endometritis*

# Change of sensitivity to antibiotics

Table 1

## after the application of the "Propolis"

Antibiotics	Isolated bacterial cultures					
	<i>E. coli</i>	<i>P. aeruginosa</i>	<i>P. vulgaris</i>	<i>S. agalactiae</i>	<i>S. uberis</i>	<i>S. aureus</i>
1. Bicillin	±	±	-	±	±	±
2. Amoxicillin	+	+	+	±	±	±
3. Cefazolin	+	+	+	+	±	+
4. Tetracycline	±	-	±	+	±	±
5 Oxytetracycline	±	±	±	+	±	±
6. Norfloxacin	±	+	-	±	+	+
7. Tylan	±	±	±	+	±	±
8. Streptomycin	±	±	-	±	±	±
9. Gentamicin	+	+	±	±	±	±
10. Enrofloksatsyn	+	+	±	+	+	+
11. Kanamycin	±	±	±	±	±	±
12. Rifampicin	±	±	-	±	±	±

# Mechanical cleaning of the hooves



- **Aching limb after primary surgical treatment**



# Protective covers for hooves



# Applying of a bandage with oil propolis



# Content of the animal in a protective cover





# Composition of "Proposil"

**"Proposil"**

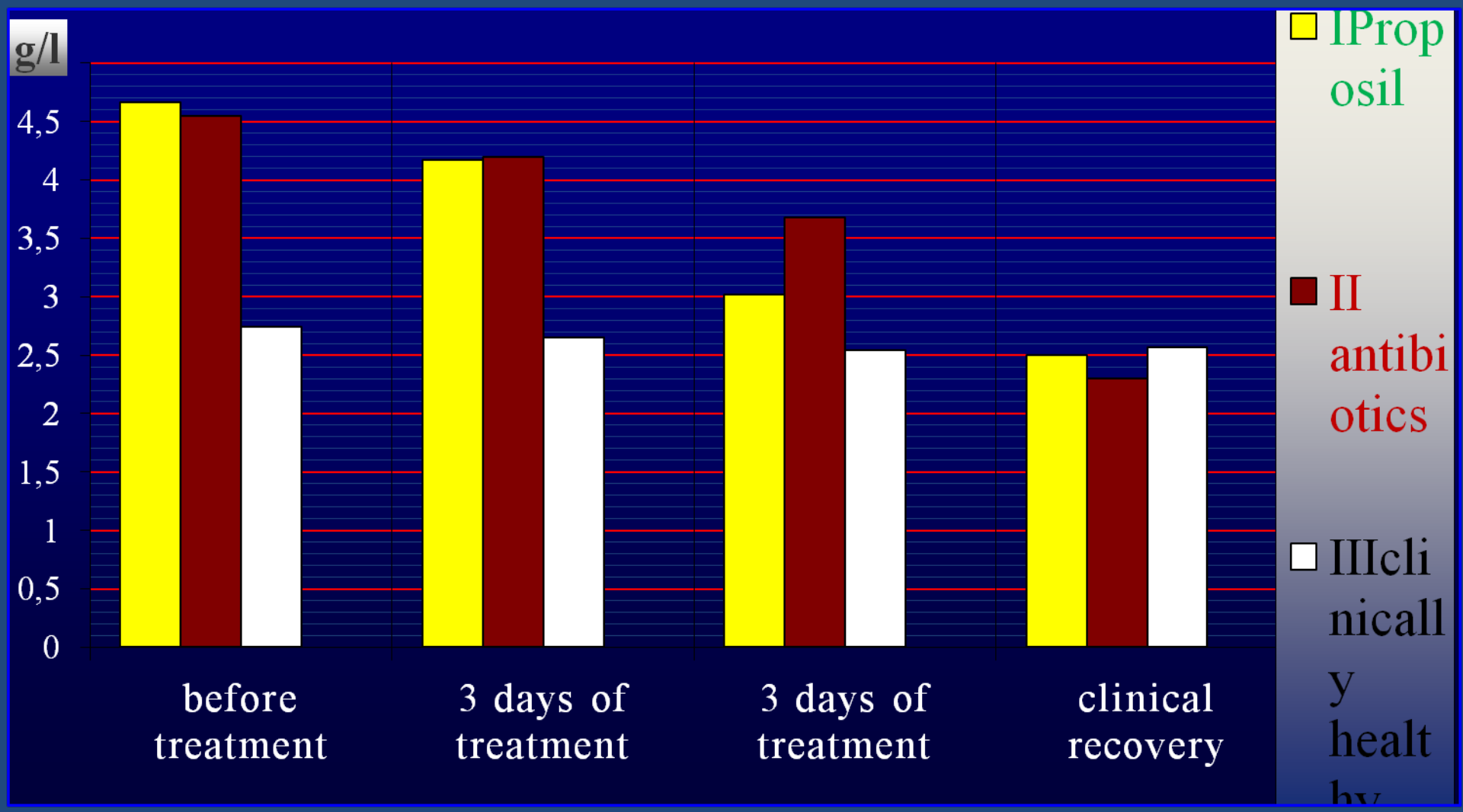
```
graph TD; A["Proposil"] --- B["Aerosil A-300 - 1%"]; A --- C["Ethanol- 20%"]; A --- D["Propolis - 2.5%"];
```

**Aerosil A-300 - 1%**

**Ethanol- 20%**

**Propolis - 2.5%**

# Dynamics of fibrinogen content in the blood of healthy and diseased postpartum purulent-catarrhal endometritis of cows $M \pm m, n = 5 \text{ g / l}$



# The patent for the drug "Proposil" used to treat endometritis at cows



Thank you for  
attention!

