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[home](#) [page](#) [about us](#) [contact](#)

[us](#)

Table of  
Contents

**VETMED  
2015**

**VETMED  
2014**

**VETMED  
2013**

**VETMED  
2012**

**VETMED  
2011**

**VETMED  
2010**

**VETMED  
2009**

**VETMED  
2008  
VETMED  
2007  
VETMED  
2006  
VETMED  
2005  
VETMED  
2004  
VETMED  
2003  
VETMED  
2002  
VETMED  
2001  
VETMED  
Home**

---

**Editorial  
Board**

**For Authors**

- **Authors  
Declaration**
- **Instruction  
to Authors**
- **Guide for**

**Authors**

▪ **Fees**

▪ **Submission**

---

**Subscription**

## Veterinarni Medicina

**Blood glucose level as an insufficient indicator of feline diabetes mellitus: a case report**

Rzymski P, Poniedzialek B:

Veterinarni Medicina, 58 (2013): 385-387

[ [fulltext](#) ]

In several European countries (e.g., Poland) blood glucose level is the main indicator of feline diabetes mellitus. We describe a case of an adult domestic cat (*Felis catus*) that exhibited no symptoms of diabetes except high glucose level in blood ( $\approx 200$  mg/dl) that indicated a possibility of early stage of this disease. However, further investigations including serum fructosamine level determination, systematic urine monitoring as well as comparative analyses of glucose level in blood samples collected at the veterinary clinic and at home revealed that the cat was suffering from stress-induced hyperglycaemia brought on by the car ride and visit to the veterinary clinic. This

case highlights the fact that determining blood glucose level alone is insufficient in feline diabetes mellitus diagnosis and can lead to unnecessary treatment with potential adverse effects on feline health.

## Keywords:

felines; blood glucose; diabetes mellitus; behaviour

[ [fulltext](#) ]

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