

# **Animal Science 434**

## **Lecture 8: The Onset of Puberty**

**Development of  
Hypothalamus and GnRH  
Release Centers**

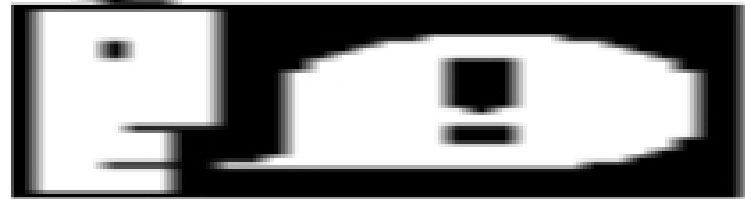
**Males and Females are Different!!!**

# Hypothalamus GnRH Control Centers in the Female



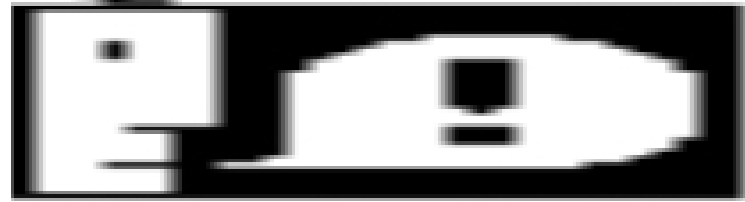
QuickTime

PICT



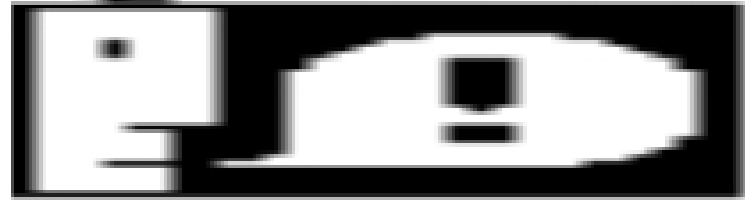
QuickTime

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Why does the male  
only have tonic control  
centers develop?