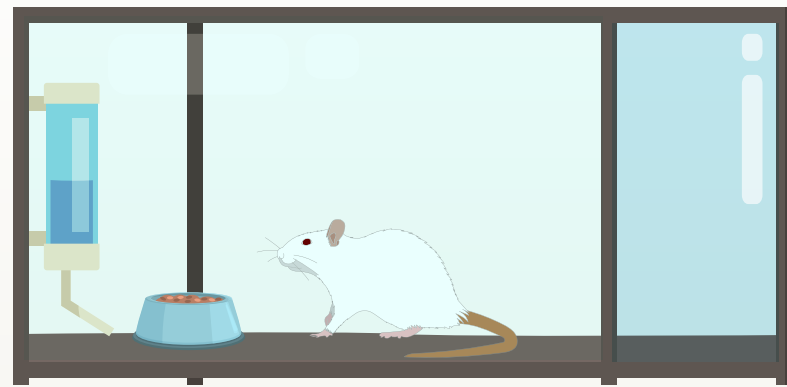


# How does voluntary exercise prevent obesity-induced male infertility?



Wistar rats  
(N = 40)



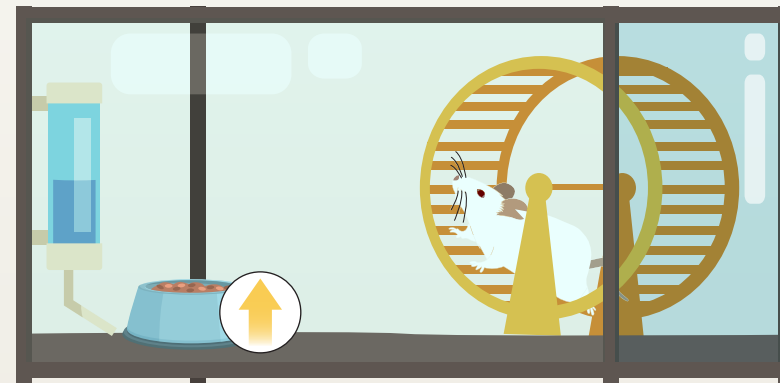
Control  
(n = 10)



Exercise  
(n = 10)



High-fat diet (HFD)  
(n = 10)

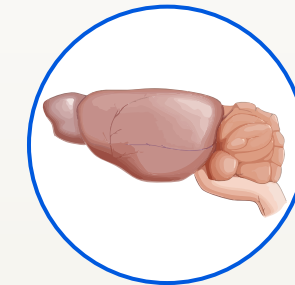


HFD + Exercise  
(n = 10)

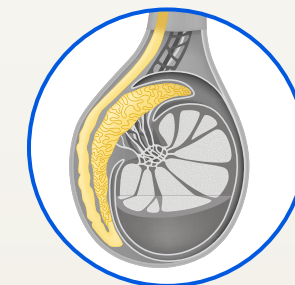
10  
weeks



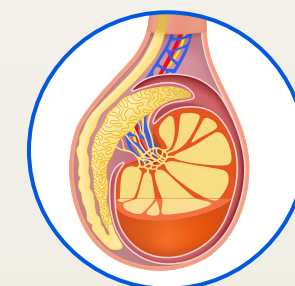
Blood samples



Hypothalamus

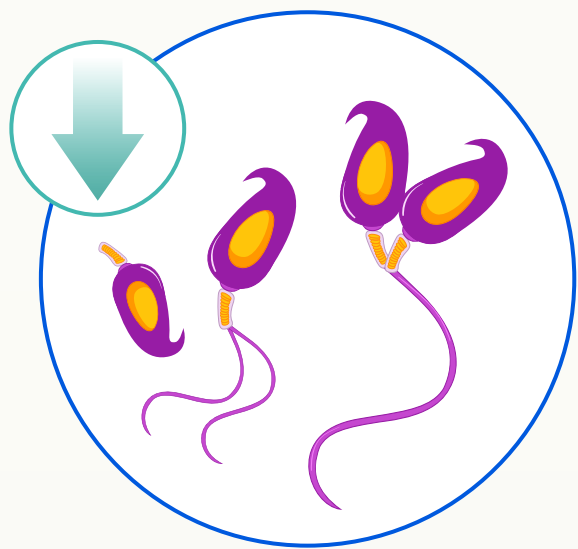


Epididymis

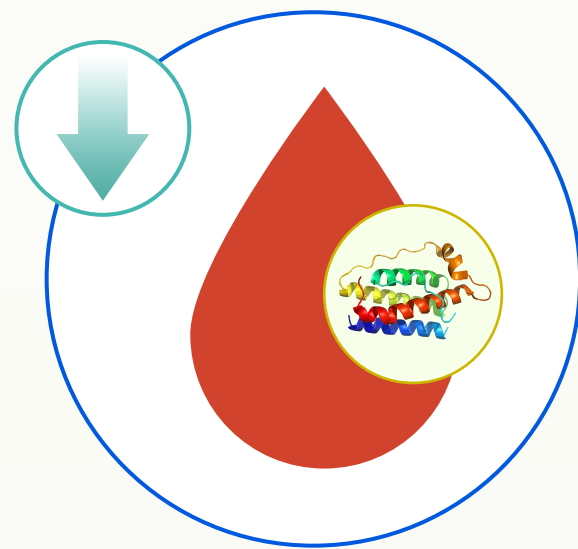


Testis

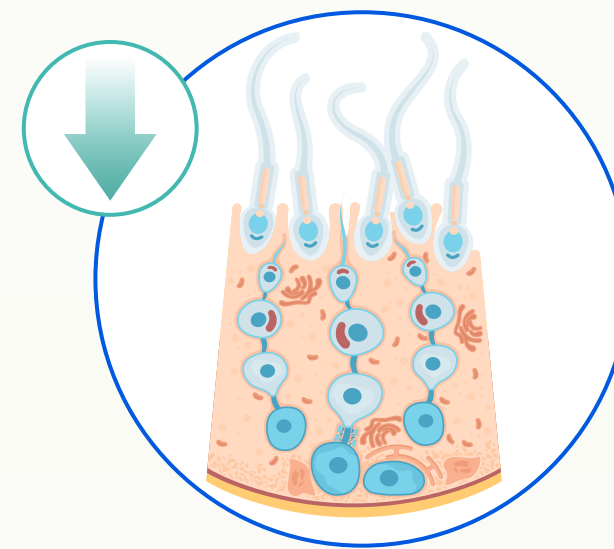
**Voluntary exercise prevented HFD-induced increases in:**



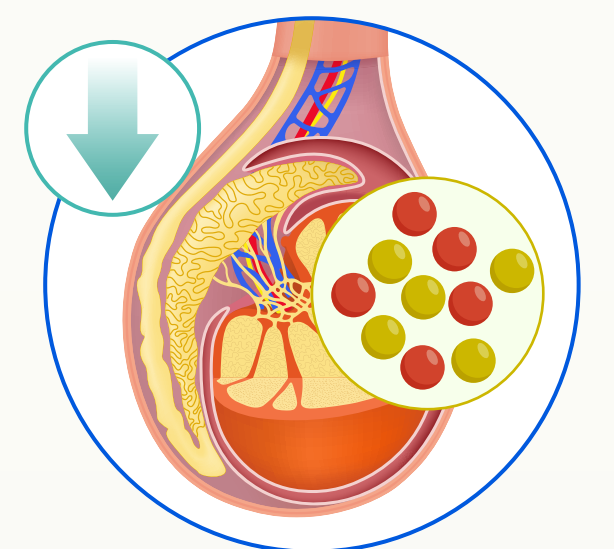
Sperm  
malformation



Serum levels  
of leptin



Blood-testis barrier  
permeability



Testicular levels  
of TNF-α and IL-6