Abstract #: 20-6965

HISTOMORPHOMETRIC EVALUATION OF NORMOTENSIVE AND HYPERTENSIVE RATS' KIDNEY TREATED WITH *TRIBULUS TERRESTRIS*

Gabriela F. Buys Gonçalves[1]; Marcello H. A. Da Silva[1]; Francisco J. B. Sampaio[1]; Diogo B. de Souza[1]

[1] Urogenital Research Unity, State University of Rio de Janeiro, Rio de Janeiro, Brazil
vetgabrielafbg@gmail.com

Introduction

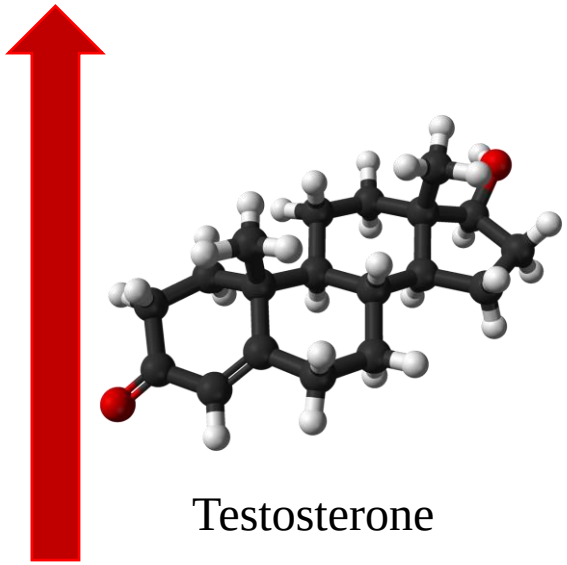
Tribulus terrestris

Muscle mass

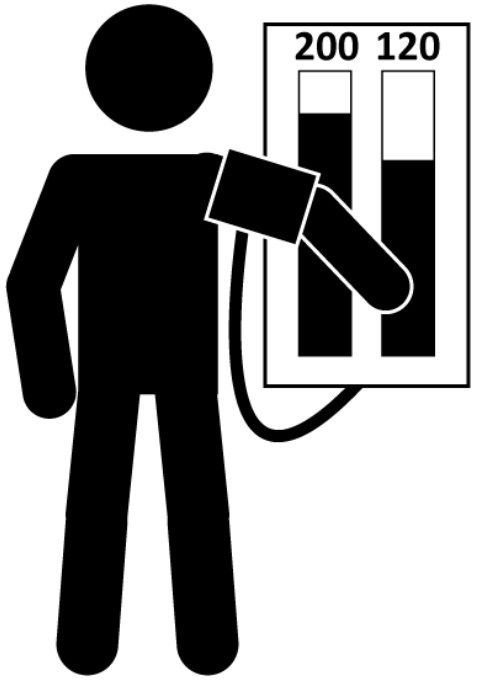
Libido

AUA 2020 washington, dc MAY 15-18

Introduction



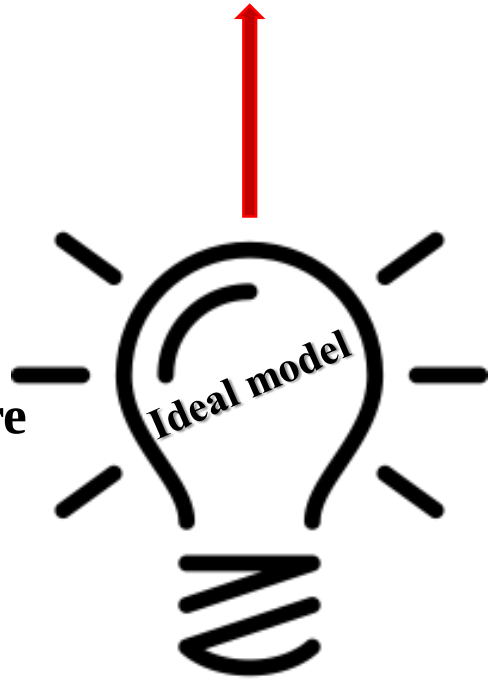
Testosterone



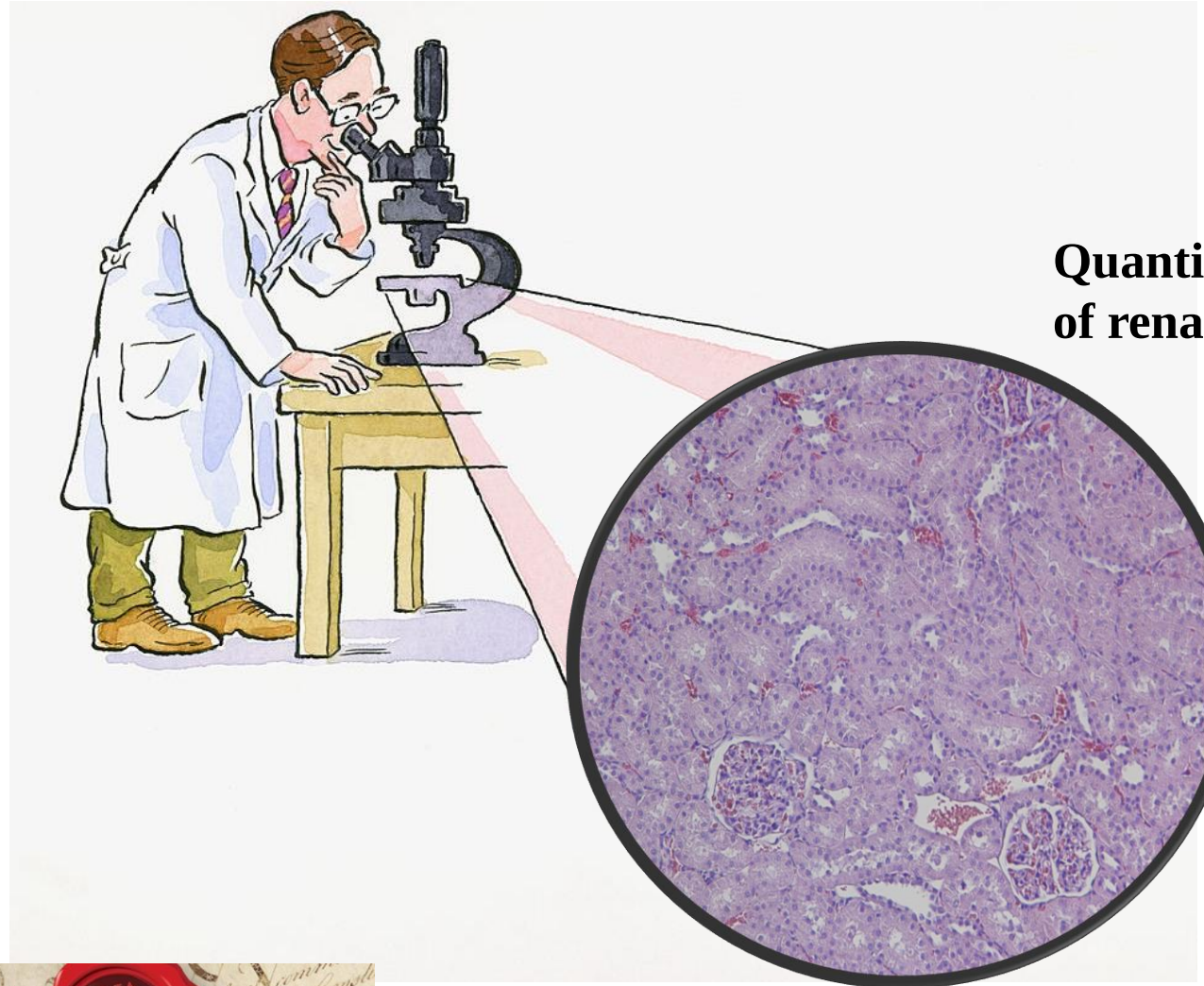
High blood pressure

Acute and chronic renal failure

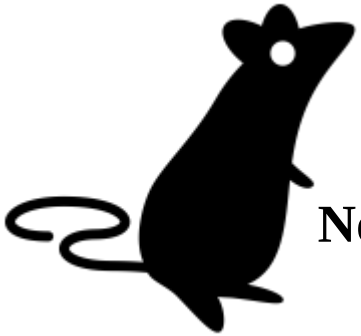
SHR



Objective



Quantitative evaluation of renal cortex



Normotensive

+

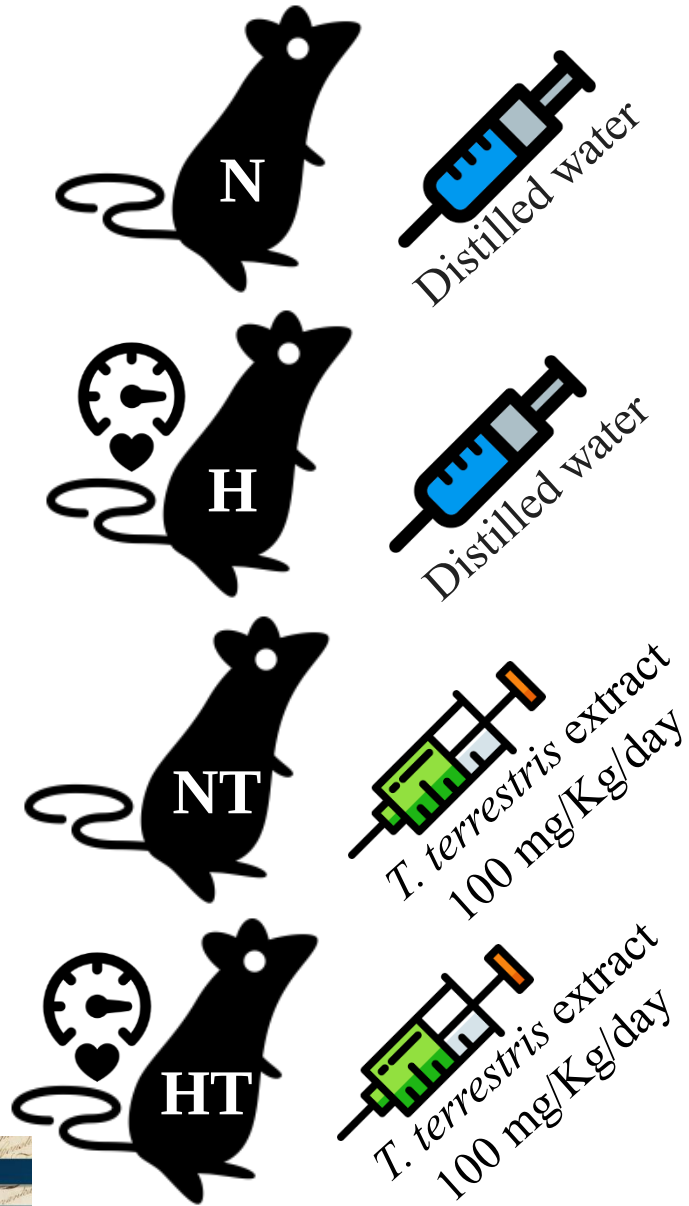
+

Hypertensive

AUA 2020 washington, dc MAY 15-18

Methods

28 male rats
3 months of age



40 days of gavage

Initial Mean Arterial Pressure (iMAP)
(Day before beginning of treatment)

Final Mean Arterial Pressure (fMAP)
(Last day of treatment)

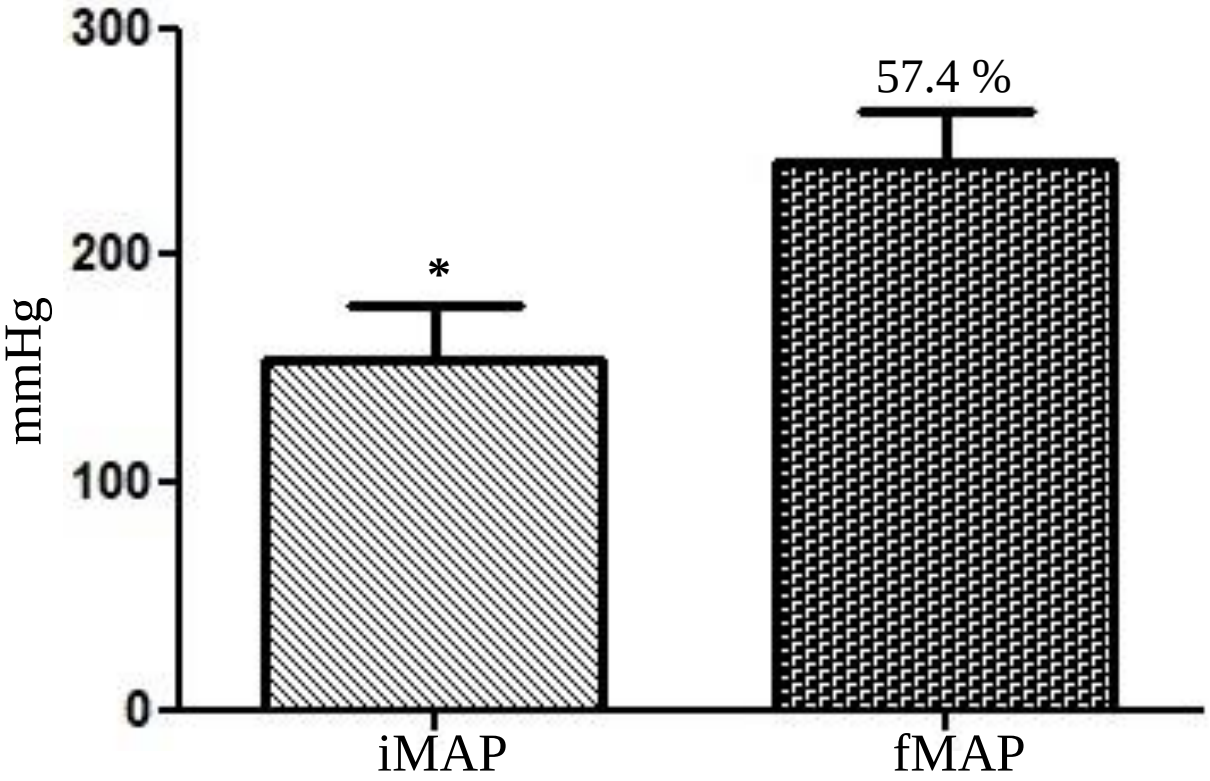
- **Right renal volume**
- **Cortex/Non cortex ratio**
- **Glomerular volume density**
- **Weighted mean glomerular volume**
- **Number of glomeruli per kidney**

One-way ANOVA
Student's Paired T Test
$p<0.05$

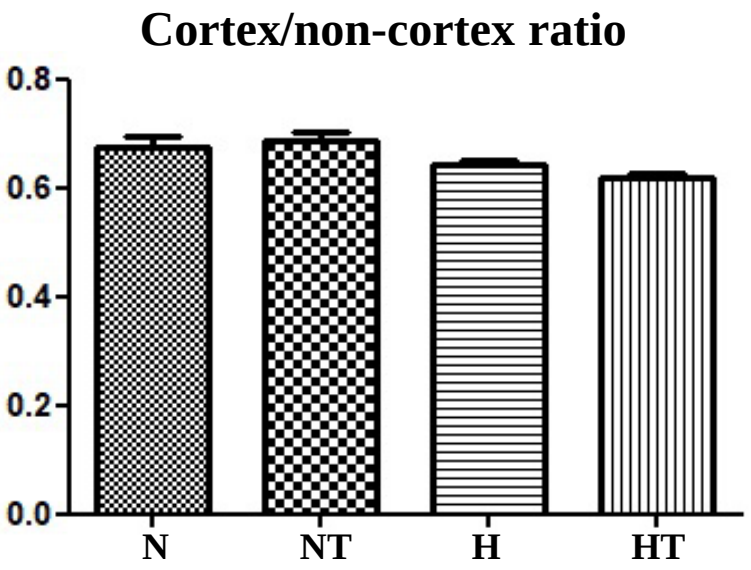
Paired results – Mean Arterial Pressure

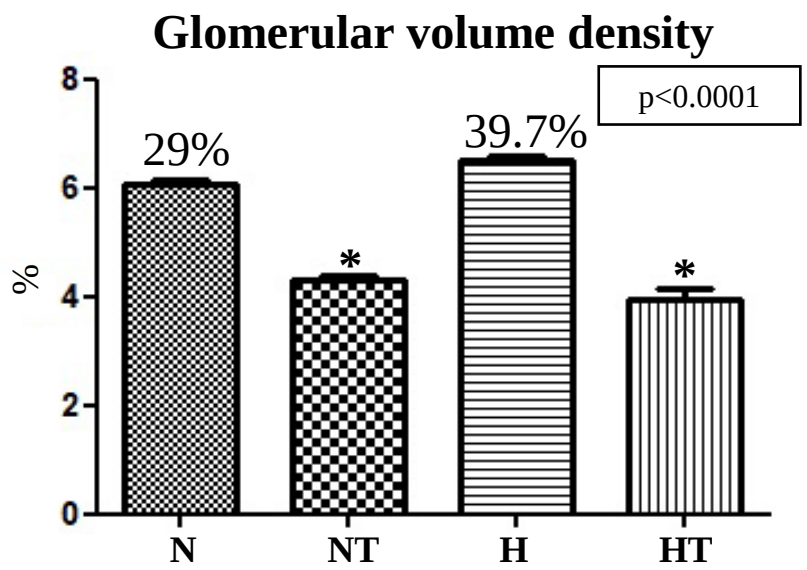
NT group

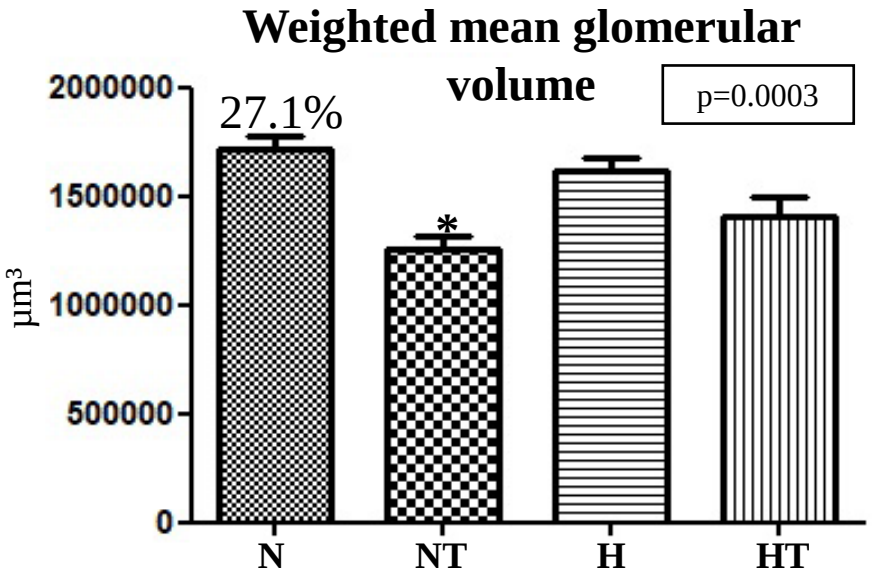
p<0.0001

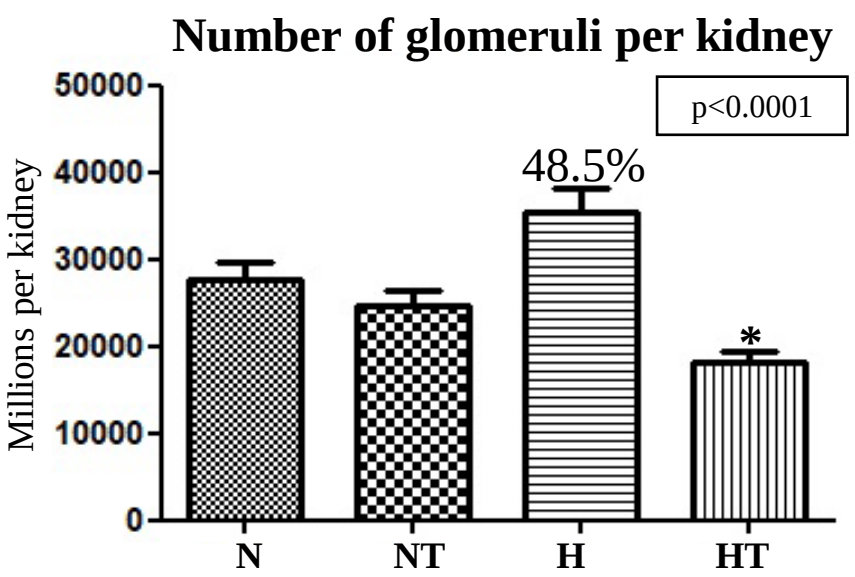


Unpaired results

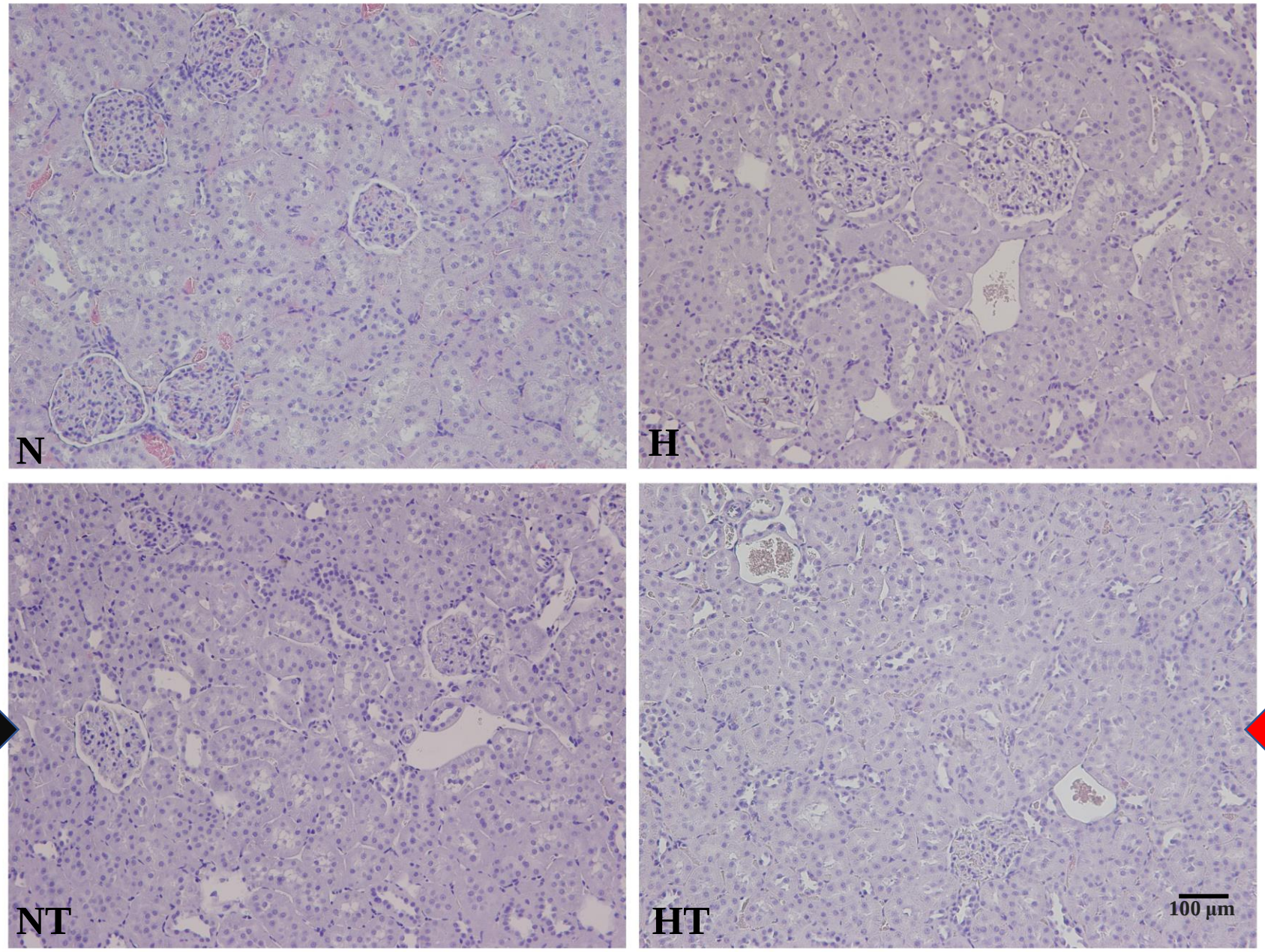




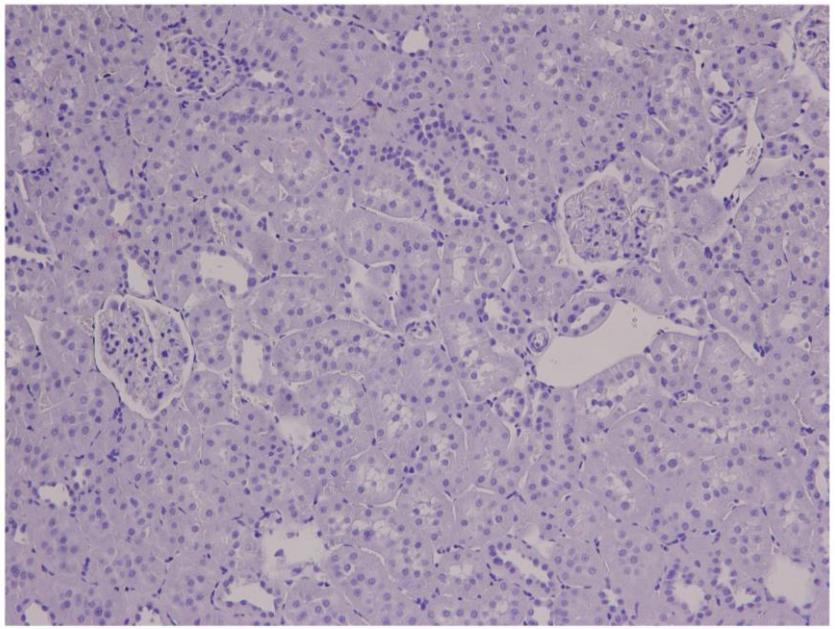


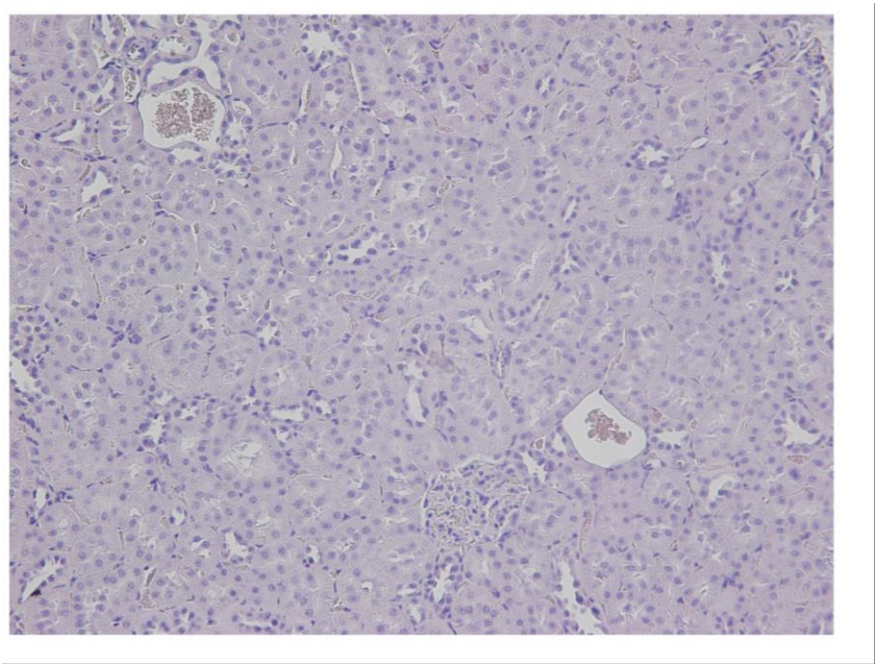


Unpaired results



Conclusion





Urogenital
Research Unit

UERJ
UNIVERSIDADE DO ESTADO DO RIO DE JANEIRO

FAPERJ
Fundação Carlos Chagas Filho de Amparo
à Pesquisa do Estado do Rio de Janeiro

CAPES

CNPq