

#CYSTOCENTESIS xx

AN ESSENTIAL TOOL FOR FELID STANDARD HEALTHCHECKS

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INTRODUCTION

CHRONIC KIDNEY DISEASE (CKD) IS ONE OF THE **MOST COMMON DISEASES** IN FELIDS. TO PROLONG RENAL HEALTH **EARLY DIAGNOSIS** OF CKD IS CRUCIAL. A FUNDAMENTAL METHOD FOR **STAGING CKD** IS A COMBINATION OF BOTH **SERUM- AND URINE ANALYSES**. THEREFORE, **ULTRASOUND GUIDED CYSTOCENTESIS (UGC)** REMAINS THE MOST ADEQUATE COLLECTION METHOD TO AVOID CONTAMINATION DURING URINALYSIS.

MATERIALS AND METHODS

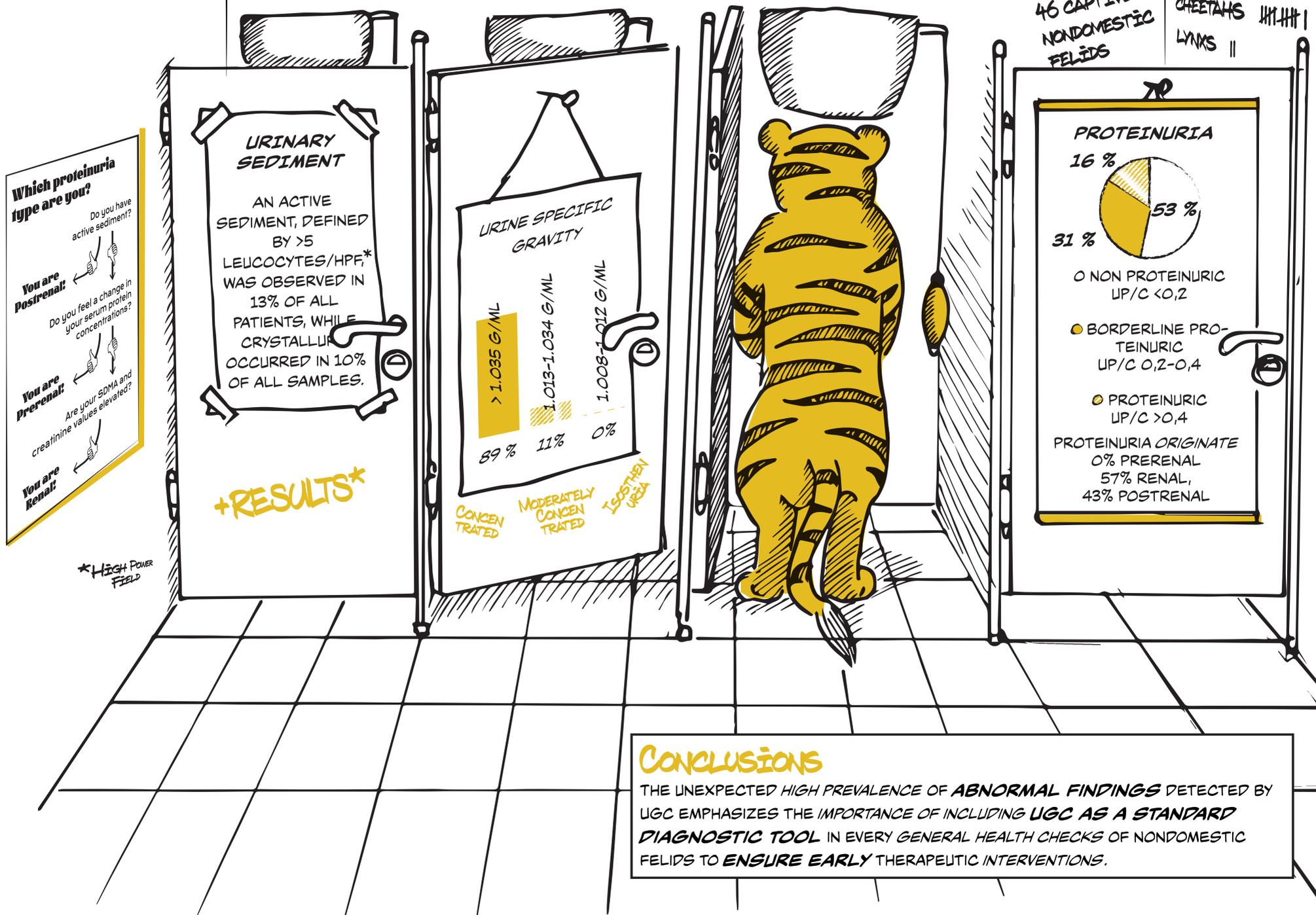
46 CAPTIVE, NON DOMESTIC FELIDS UNDERWENT UGC AND BLOOD COLLECTION.

FOR UGC, ANAESTHETIZED ANIMALS WERE POSITIONED IN **DORSAL RECUMBENCY**. ONCE THE BLADDER WAS **VISUALIZED VIA ULTRASOUND**, A NEEDLE WAS INSERTED THROUGH THE ABDOMINAL WALL UNDER THE PROBE. WITH THE NEEDLE, ACCURATELY POSITIONED, **URINE WAS ASPIRATED** INTO A SYRINGE.

URINE ANALYSIS INCLUDED **MICROSCOPICAL EXAMINATION OF THE SEDIMENT**, MEASUREMENT OF **URINE SPECIFIC GRAVITY (USG)**, AND **PROTEIN-TO-CREATININE RATIO (UP/C)**.

BLOOD ANALYSIS INCLUDED SERUM **KIDNEY MARKERS** SUCH AS CREATININE AND SYMMETRIC DIMETHYLARGININE (SDMA).

LIONS IIIII III
 TIGERS IIIII I
 LEOPARDS III III
 CHEETAHS IIIII I
 LYNXS II



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