

CLINICAL MANAGEMENT AND REHABILITATION OF LESSER KESTRELS (*Falco naumanni*)



INTRODUCTION – LESSER KESTREL



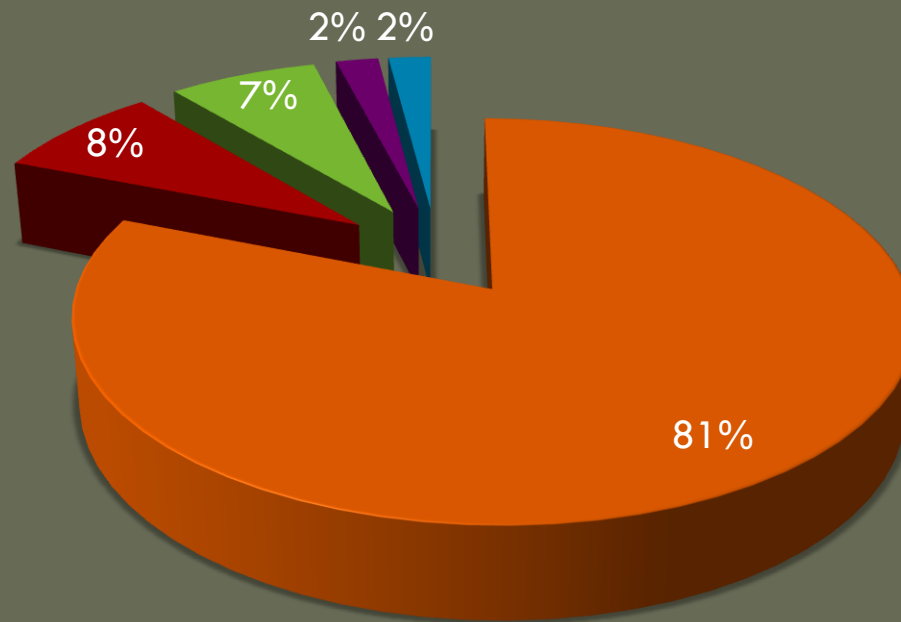
- Small bird of prey
- Once considered the most abundant bird of prey in Europe
- Undergoing a marked decline since the second half of the 20th century

STATUS:

- Vulnerable in Spain
- Endangered in the Province of Madrid

ADMISSION CAUSES IN GREFA'S HOSPITAL

- 1167 Lesser kestrels in the last 5 years



■ captive breeding ■ orphan chicks ■ young birds captured ■ trauma ■ others

CLINICAL MANAGEMENT

CAPTIVE BREEDING AND POPULATIONS REINFORCEMENT PROGRAM

- Two annual evaluations (January/February and August/September)

- blood sample collection (hematology and biochemistry)
- microbiological and parasitological samples
- clinical examination
- Oral antirapasic administration (usually Praziquantel or Fenbendazol, single dose)
- radiographic examination (every 4 years)



CLINICAL MANAGEMENT

ORPHAN CHICKS AND YOUNG BIRDS CAPTURED

- Rehydration and stabilization
- First aids

- Hacking system



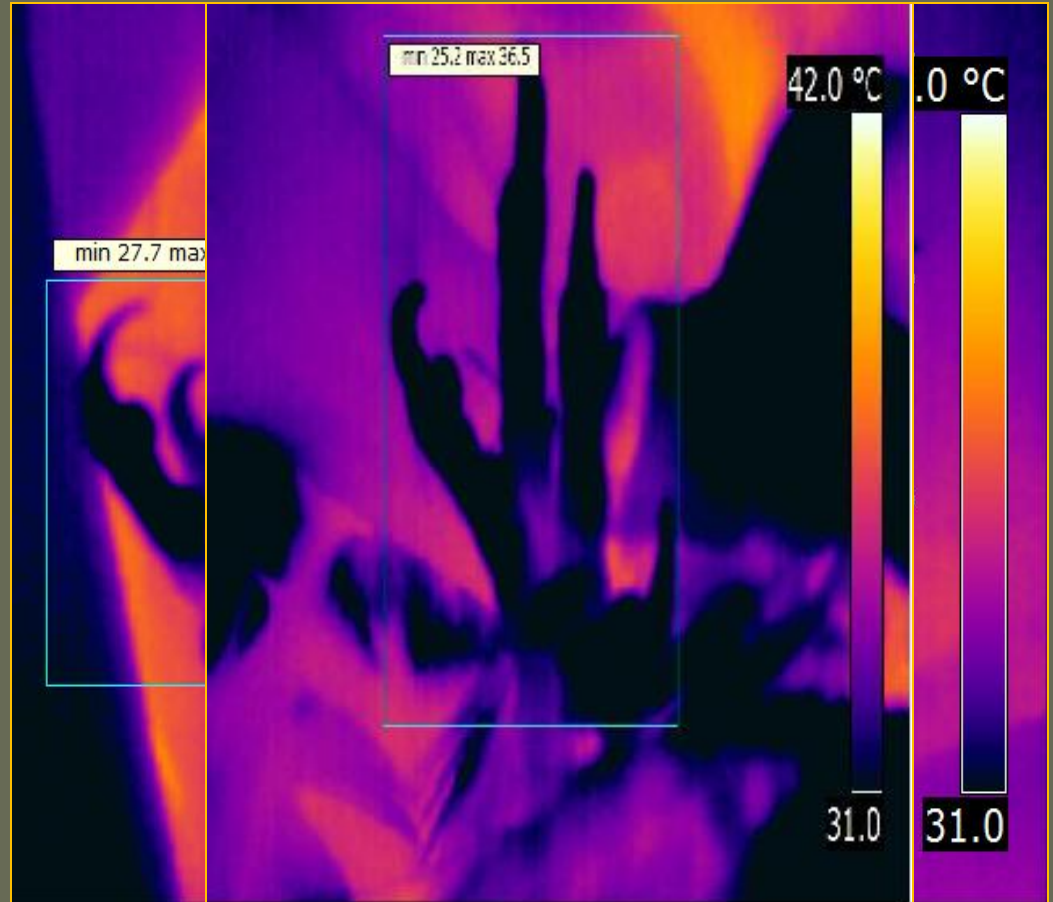
CLINICAL MANAGEMENT

TRAUMA CASES

- ELECTROCUTION

Thermography

- Early diagnosis
- Stress reduction
- Progression



CLINICAL MANAGEMENT

TRAUMA CASES

- ELECTROCUTION

Pharmacological treatment

- First aids
- Oral propentofylline (vasodilating properties)



CLINICAL MANAGEMENT

TRAUMA CASES

- ELECTROCUTION

Physiotherapy

- laser therapy since day one!!



CLINICAL MANAGEMENT

TRAUMA CASES

- FRACTURES

- Stabilization and immobilization
- Pharmacological treatment
- Surgery
- Physiotherapy



CLINICAL MANAGEMENT

TRAUMA CASES

• FRACTURES

Physiotherapy

- associated with the pharmacological treatment (anti inflammatory) and wound management
- cryotherapy and ultrasonophoresis (depending on the fracture and on the placement of metallic fixation elements)
- magnet or ultrasound therapy (to accelerate callus formation)
- Kinesitherapy



CLINICAL MANAGEMENT

TRAUMA CASES

• LUXATIONS

- Stabilization and immobilization (10 days)
- Pharmacological treatment
- Physiotherapy (early attention is critical)
 - Cryotherapy
 - Ultrasonophoresis
 - Laser therapy
 - Ultrasound therapy
 - Laser therapy
 - Kinesitherapy



CLINICAL MANAGEMENT

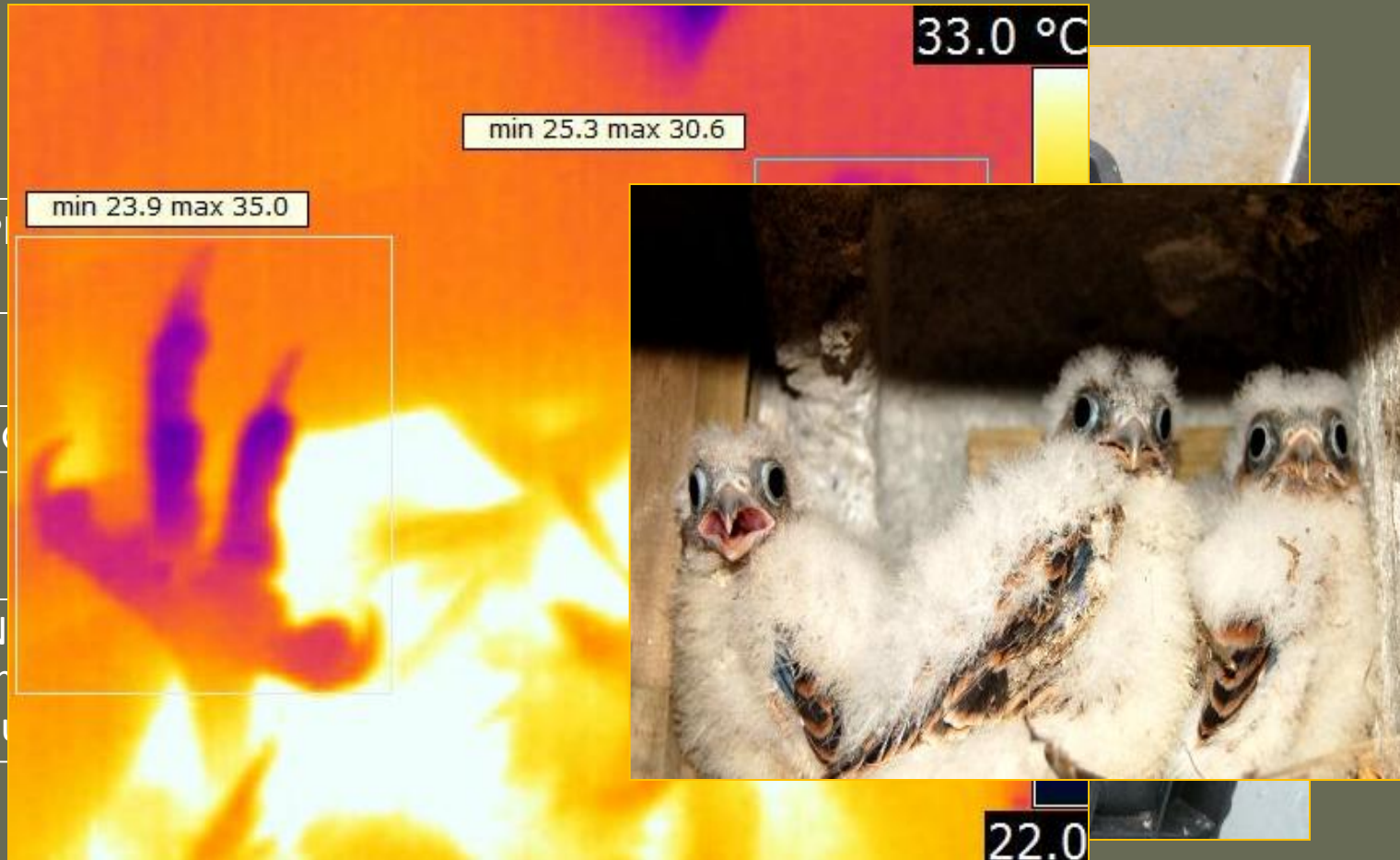
MOST FREQUENT PATHOLOGIES

- FEATHER PROBLEMS

- BUMBLEFOOT

- NUTRITION

- Malnutrition
- Resource

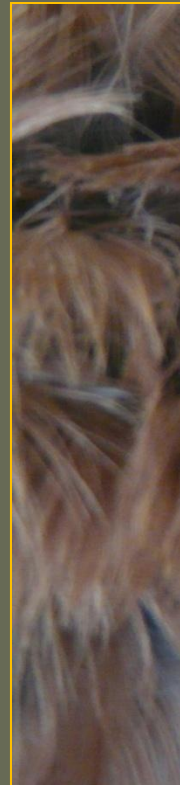


CLINICAL MANAGEMENT

MOST FREQUENT PATHOLOGIES

- SINUSITIS

- OSTEODISTROPHY



CLINICAL MANAGEMENT

THEN WHAT??

RECOVERED ANIMALS



- Flight evaluation and live training in a flight pen
- Bird ringing
- Release
- Monitoring of populations



CLINICAL MANAGEMENT

THEN WHAT??

UNRECOVERED ANIMALS



- Captive breeding program
- Environmental education
- Other birds rehabilitation



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Thank you for your attention!

