#### A COMPARISON OF EAR-TAGGING AND EAR-WHITING AS METHODS OF IDENTIFICATION IN DOGS









### MICROCHIPPING NOTICE (anges) inger Microchip identification: 459766 AUTHORIZED ONLY Many neutered dogs are recaptured, some undergo new surgery! Mint W S

## STUDY BEST PRACTICE FOR HUMANE VISUAL IDENTIFICATION OF TREATED STRAY DOGS

#### **GOALS**

- To scientifically detect **the best method (tag vs whiting/freeze branding) to identify dogs**, determining which method is:
- More humane
- Least stressful/painful for the animals
- Easy to be performed on large scale
- Feasible with non-surgical sterilization techniques

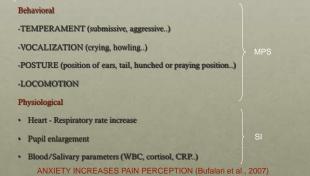


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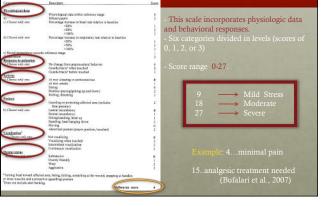
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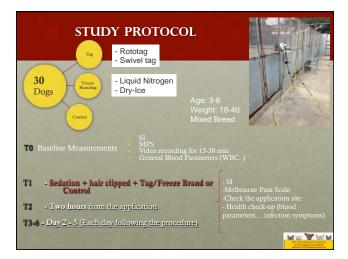
# STRESS (PAIN) INDICATORS (HOLTON ET AL, 2001: MATTHEWS, 2000; BEERDA ET AL,



# MELBOURNE PAIN SCALE (MPS)

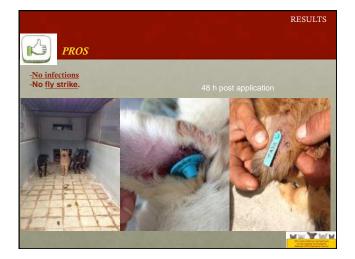


















#### **FREEZE BRANDING** THE APPLICATION OF A MARK USING AN EXTREMELY COLD BRANDING IRON

- Copper branding iron must be placed on the skin for the **correct time** and at the **correct pressure**.
- Destroys the color follicles at the brand site that appears white (dark-haired animals).
- If the iron is held against the skin for a longer period of time no hair will grow at all (light-haired animals)
- Coolant:
- LIQUID NITROGEN

MIXTURE OF DRY ICE + ALCOHOL

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# FREEZE BRANDIG

· Mark is permanent

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- · Highly visible on dark-haired animals.
- A standard, uniform white mark produced.
- Animals did not react to freeze branding (but the procedure does have the potential to cause pain)

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CONS FREEZE BRANDING	
Liquid nitrogen	Dry-Ice + Isopropanol
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	•Not storable (4-5 day of life)
Can be difficult to obtain	•Hard to understand when
and transport	the iron reaches the right
Cost effective	•Longer skin application
<ul> <li>Dissipates quickly (1 L for two dogs!)</li> </ul>	needed
tor two dogs:)	•Little pieces of ice
Quick appling	trapped in the iron
- Quick cooling - Quick application	Easy to handle/transport



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