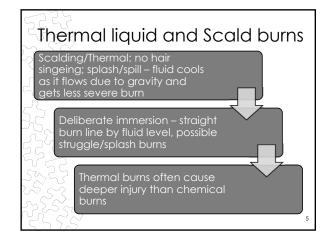


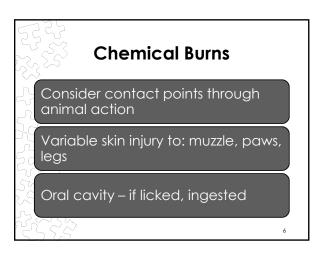
usually first info encountered



- Investigations conducted in confirmatory manner: incr confidence of theory vs. maintaining objectivity, reduce consideration of all information
- Review all info several times
- Consider alternate theories disprove/support
- Document neg evidence
- **Discussion**: peers, investigator, attorney

Measurements Common mistake is lack of photo scale; if weapon, need distortion correction scale Use other items in photo if no photo scale Send back to get measurements of items

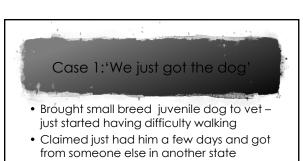












- Vet exam: burns on legs, parts of caudal back and tail
- Questions: what caused the burns?

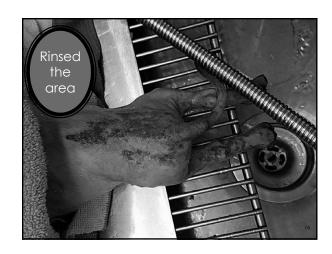


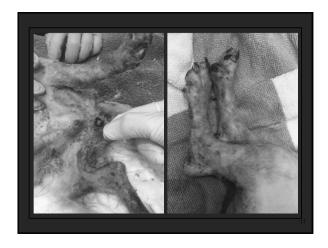




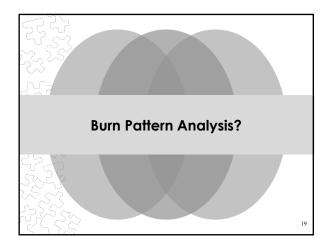








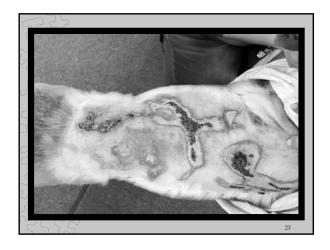








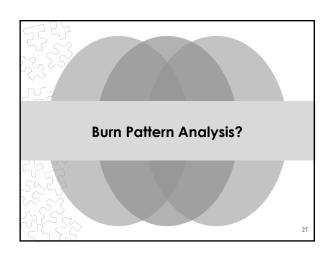








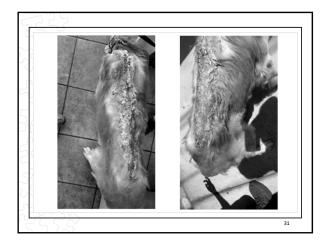


















Considerations for Weapon Type Determination

- Look at denser area of hemorrhage for clues to pattern
- May have clear central areas where compression forced blood to outer edges
- Look at bone/cartilage for pattern imprints
- If cylindrical consider where would impact could be smaller full width
- Describe weapon type, characteristics. If weapon known may say 'consistent with'



Knife

Appearance depends on skin properties, nature and type of knife, movement of victim, movement of knife in body

If part dull, may have abraded/contused areas

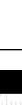
Beveled margins and Wounds undermined tissue opposite if enters obliquely

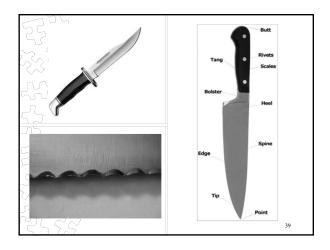
> Knife characteristics may be imparted to surface, wound margins, wound track

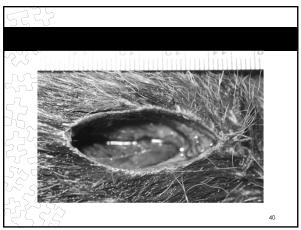
If full penetration, entrance wound may be squared at both ends

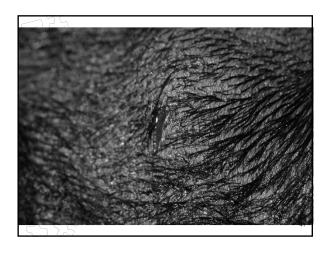
Knife Wounds Serrated – may see striations on entrance wound margins if entered obliquely; wavy or scalloped patterns on superficial cuts, shallow wounds, organ wound tracks

Knives can have serrated portions – describe as 'impact with serrated portion of blade'











Case Info

Owner of miniature (Elvis) and two giant schnauzers

Came home and found Elvis inside crate with door ripped off; blood around mouth; 'intestines' protruding from abdomen

Boyfriend home at the time and claimed nothing happened; kicked owner in leg; boyfriend is drug user

Took to ER, told vet she suspected boyfriend but needed to know if other dogs attacked Elvis

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ER vet: clean margins along external perforating linear wound, appx 2cm long with omentum pulled out; internal linear wound in abdominal wall 1.5cm long exploratory laparotomy – no internal organ damage or bruising as would expect from dog attack; some unusual abrasions on external abdomen that are inconsistent with teeth or nail abrasions. But – he did not tell owner it was not a dog attack because felt uncomfortable

Dog transferred to other hospital for continued care; owner informed tech about her suspicions and her own injuries from boyfriend

Twas called in to examine dog

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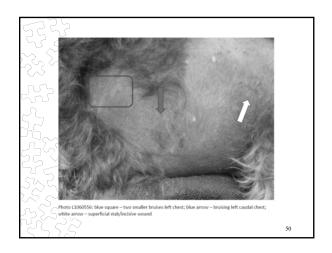




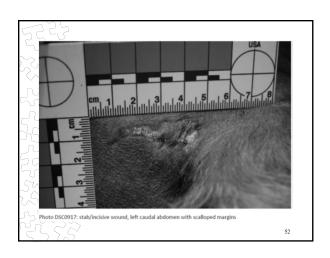


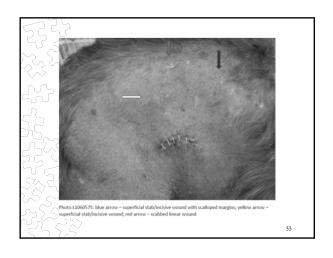


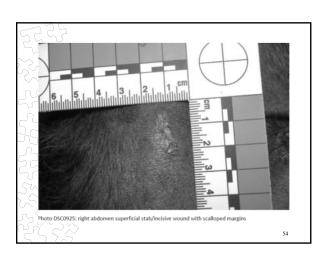
















Case 5: Dog face mutilation

- Owners have two dogs that were outside in fenced yard. Let dogs in one evening.
 Claimed they did not notice one of the dogs were injured. He came in and went to his bed. They did not notice any blood dripping. When they got the dog up the next day to go outside they noticed the injuries and rushed him to the vet.
- Vet: injuries from a machete or large knife; fractured/partially missing tooth
- Owners believe a person attacked the dog while his head was under the fence



