DSH Cat case and markup

Blackie is an approximately 9 yr old MC DSH cat that was hit by a car. He is presented to you by the owner who found him in the road.

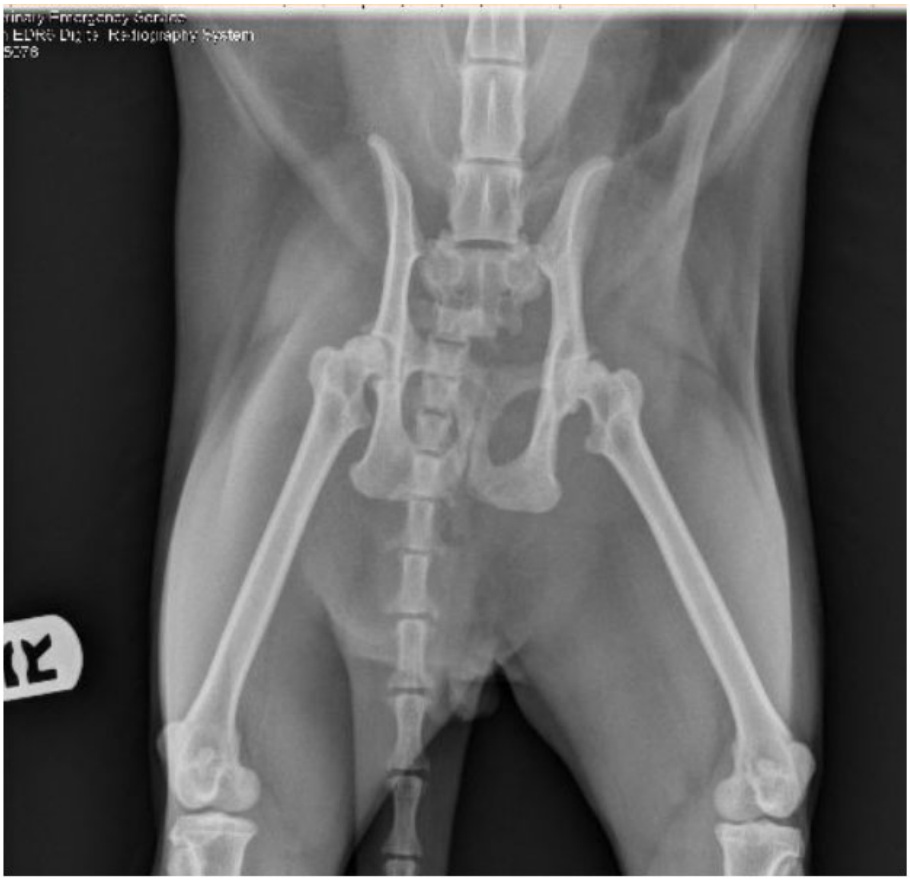
Physical Examination:
Body Weight: 4 kg
Hyper, alert, responsive; vocalizing
Mucous membranes –pink, 3 sec refill time,
Rectal temperature – 102.2
Eyes – WNL
Ears – brown waxy debris AU
Nose – WNL
Oral cavity – WNL, teeth – mild tartar, no gingivitis, freshly chipped tooth
Peripheral lymph nodes – WNL
Heart – no – Rate: 180 bpm
Lungs – auscultates WNL, rate – 30
Abdominal palpation – mild tension of caudal abdomen
Musculoskeletal – somewhat painful when palpated, ambulates on all four limbs; reaction elicited by palpating near the tailbase; palpation of extremities showed no obvious fractures
Integument – normal coat; some mild tenting of skin (estimate 5% dehydration)
Nervous system – because of pain, only an abbreviated examination was possible and showed normal patellar reflexes.

The owners have given you a budget of $500 to stabilize the cat, determine its prognosis and develop but not implement a treatment plan.

You take whole body radiographs (VD and lateral). They are shown below:

LATERAL 1 RADIOGRAPH

VENTRODORSAL 1 RADIOGRAPH



LATERAL 2 RADIOGRAPH

VENTRODORSAL (VD) 2 RADIOGRAPH

QUESTIONS TO ADDRESS:

1. List the medical diagnostic tests which you would seek to perform to establish this cat's medical stability – briefly justify each test

2. Develop a problem list for this cat following your initial diagnostics. Be sure to copy your observations into your formulation to document the problems.

3. Develop an initial treatment plan outlining all the steps you would direct your technician to take. List specific drug classes you would employ, if any- using the "Note" feature, briefly justify your treatment.

4. Describe the radiographic findings in this cat (what is not normal, use the imaging anatomy website as a guide)

5. What spinal nerves are potentially affected by the changes visible in the radiographs?

6. What named nerves are potentially affected by the changes visible in the radiographs?

7. What clinical signs would you expect to see; i.e. what organs or muscle groups might be affected based upon your answers?

8. List at least 2 learning issues you encountered in addressing this case. List at least 1 reference (primary references preferred) which helped you address each learning issue.

Either copy the entire document to your clipboard or all of the text that comes after this sentence - you don't have to look closely at it unless you really like that sort of thing.

<Title>Blackie the HBC Cat</Title>
<Presenting Information Abbreviation>O</Presenting Information Abbreviation>
<Formulation Abbreviation>A</Formulation Abbreviation>
<Framework Abbreviation>F</Framework Abbreviation>
<Question Abbreviation>Q</Question Abbreviation>
<Additional Abbreviations>A,M,L,R, P</Additional Abbreviations>
<Formulation Relationships>Cause, Association, Quality Evidence, Learning Issue</Formulation Relationships>
<Presenting Information>Blackie is an approximately 9 yr old MC DSH cat that was hit by a car. He is presented to you by the owner who found him in the road.
Physical Examination:
Body Weight: 4 kg
Hyper, alert, responsive; vocalizing
Mucous membranes –pink, 3 sec refill time,
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Oral cavity – WNL, teeth – mild tartar, no gingivitis, freshly chipped tooth
Peripheral lymph nodes – WNL
Heart – no obvious murmurs or arrhythmias – Heart Rate: 180 bpm
Lungs – auscultates WNL, rate – 30
Abdominal palpation – mild tension of caudal abdomen
Musculoskeletal – – somewhat painful when palpated, ambulates on all four limbs, but moderately favors right hindlimb (toe-touching lame); tail is limp and dragged on ground; painful reaction elicited by palpating near the tailbase; palpation of extremities showed no obvious fractures
Integument – normal coat; some mild tenting of skin (estimate 5% dehydration); several small abrasions and lacerations around hips and right rear leg; claws on all four feet are shredded
Nervous system – cranial nerve examination WNL; forelimb neurologic examination WNL; because of pain, only an abbreviated examination was possible and showed normal patellar reflexes and normal proprioception and placement tests. Tail has no motor control or pain sensation. Urinary bladder has tone. Anal sphincter has tone.

The owners have given you a budget of $500 to stabilize the cat, determine its prognosis and develop but not implement a treatment plan.

You take whole body radiographs (VD and lateral) (see radiographs provided in case file; compare Blackie's radiographs with those of normal cats on the anatomy website)

QUESTIONS TO ADDRESS IN FORMULATION:
1. List the medical diagnostic tests which you would seek to perform to establish this cat's medical stability – briefly justify each test

2. Develop a problem list for this cat following your physical exam findings and initial diagnostics. Be sure to copy your observations into your formulation to document the problems.
3. Develop an initial treatment plan outlining all the steps you would direct your technician to take. List specific drug classes you would employ, if any- using the “Note” feature, briefly justify your treatment.
4. Describe the radiographic findings in this cat (what is not normal, use the imaging anatomy website as a guide)
5. What spinal nerves are potentially affected by the changes visible in the radiographs?
6. What named nerves are potentially affected by the changes visible in the radiographs?
7. What clinical signs would you expect to see with damage to each named nerve above; i.e. what organs or muscle groups might be affected based upon your answers above?
8. Why does the tail lack motor control or pain sensation and what would you recommend to the owner?
9. List at least 2 learning issues you encountered in addressing this case. List at least 1 reference (primary references preferred) which helped you address each learning issue.</Presenting Information>
<Contributors>David Coleman, DVM, PhD and Duncan C. Ferguson VMD, PhD, DACVIM, DACVCP</Contributors>
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