

1. A dog presented with dragging the left forelimb after a car accident one month ago. The results of neurological examination are summarized. (0=absent, 1=reduced, 2=normal, 3=increased, 4=exaggerated, NA=not applicable, NE=not examined)

	Rt forelimb	Lt forelimb	Rt hind limb	Lt hind limb
Postural reaction tests	2	0	2	2
Withdrawal reflex	2	0	2	2
Patellar reflex	NA	NA	2	2
Muscle bulk	2	1 (whole limb)	2	2
Muscle tone	2	1	2	2
Sensation	2	0	2	2

Cranial nerve exam revealed small pupil size and 3rd eyelid protrusion in the left eye. The rest of neurological examination was unremarkable.

- 1-1. Where is the lesion localization? Please explain how you achieve the conclusion. (6 points)
- 1-2. When performing the cutaneous trunci reflex in this dog, what are the most likely results? (4 points)
2. How to deal with flea infestation of a household with multi-cats with various ages. (20 points)
Please answer the following two questions about chronic renal failure in dogs.
3. What's the major mechanism of renal secondary hyperthyroidism in chronic renal failure? (10 points)
4. What are the reasons that caused anemia in the chronic renal failure dog? (5 points)
5. Please list five common paraneoplastic syndromes and the tumors they are associated with (5 points)
6. Please state three pharmacological strategies that could help you managing different types of diarrhea (5 points)
7. Please list treatment options for grade III mast cell tumor. (5 points)
8. 請就以下縫針縫線之 a.特性、b.使用時機、c.不適用時機分別加以闡述(10 points)：
- 甲、 合成與天然縫線
 - 乙、 圓針(tapered)及角針(cutting)
 - 丙、 單股及多股縫線
 - 丁、 可吸收及不可吸收縫線
9. Explain the diagnostic, surgical and anesthetic considerations of a 4 years old mixed breed stray cat with the chief complaints of acute traumatic pelvis fracture, dysuria, and pale mucosal membrane. (10 points)
10. Please illustrate or describe the perineal muscle condition of perineal hernia in dogs (7 points). What is the most predisposed dog (neutered or intact, male or female) for perineal hernia? (3 points)
11. A 12 yr-old dog with bilateral recurrent mucoid or mucopurulent ocular discharge, what is the number one possible cause of the symptom? (5 points) What eye test will you do first for the dog? (5 points)