

Nutritional advice and follow up of a pointer with food allergy and cachexia


Sofie Dupont

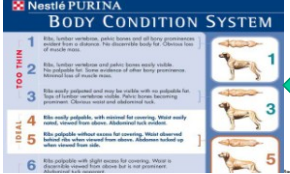
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Signalement and physical examination





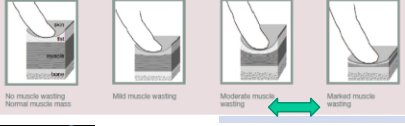


FIG 2 Muscle condition scoring system. Evaluation of muscle mass includes visual examination and palpation over the temporal bones, scapulae, ribs, lumbar vertebrae and pelvic bones. This system is currently under development and validation. All images courtesy of Dr Tony Buffington

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History and diagnosis


Week 0 → Consult @ clinic

- Anamnesis:**
 - Frequent diarrhoea, vomiting, weight loss (3.5 months), good appetite
- Gastroduodenoscopy + colonoscopy**
 - Inflammation of stomach, duodenum, ileum and colon
 - Mild plasmocytic and eosinophilic IBD
 - E. coli infection
- Therapy:**
 - Enrofloxacin 150 mg, ½ tablet bid for 3 weeks
 - Nutritional advice requested

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Food History

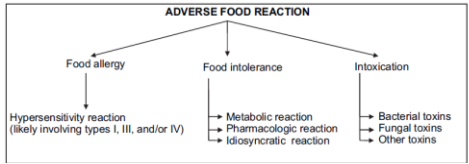
- Royal Canin Maxi junior
- Hill's Prescription diet i/d canine
- Hill's Prescription diet z/d ultra allergen free canine
- Horse meat + pasta
- Horse meat + potatoes
- Horse meat + tapioca
- Fish + tapioca



- All diets on veterinary advice.
- Gradual change over 4 days.

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IBD – food allergy



Source: Gaschen and Merchant, 2011

Acute gastroenteritis with a self limiting enteric pathogen → trigger?
(Sartor, 2006)

Diagnostic treatment:
 elimination trial for 8 weeks
 suspected improvement in 2 weeks
 provocation after 8 weeks → confirmation?

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Nutritional Key Factors

GI problems+ food allergy		Cachexia	
Energy	↗ energy density	↗ energy req	↗ energy
Protein	↘ quantity (trigger intolerance?) source hydrolysis	↗ quantity	
Fat	↗ energy density, taste		
Fibre	pre- & probiotics		

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Dietary possibilities

- Gastrointestinal diet
- Single protein diet
- Hydrolysed diet
- Home made diet

→ Currently on fish (600g) and tapioca (500g) for 3 weeks



Change protein and carb source?



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First feeding advice

White fish (700g raw, cooked)
+ **tapioca** (250 gram dry pearls, cooked)
+ **canola oil** (40g)
+ **NaCl** (0.5g) + **CaCO₃** (6 g)
(premix)
(estimated ideal BW 30kg)



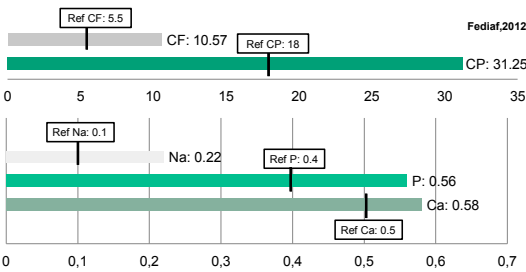
752 ME kJ/100g as fed → 585 kJ/kg^{0.75}
13g CP/kg^{0.75}
Ca/P = 1.04

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First feeding advice

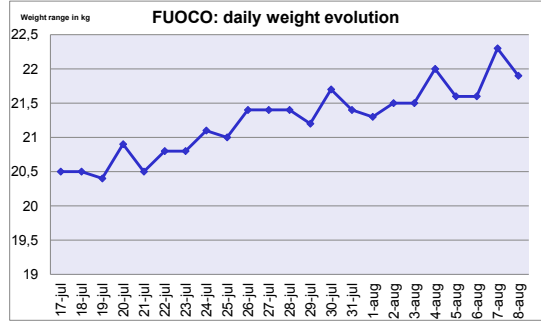
composition first feeding advice in % dry matter



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Follow-up



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Picture send on week 6



Picture send on week 10

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Picture send on week 6



Picture send on week 10

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Second feeding advice (week 10)

Increase of energy intake (+10%) due to stopped weight increase

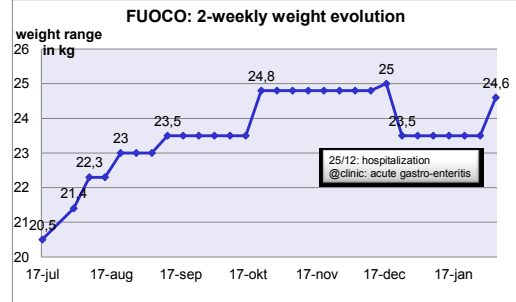
White fish (800g raw, cooked) ↑
 + tapioca (250 gram dry pearls, cooked) ↑
 + canola oil (55g) ↑
 + NaCl (0.5g) + CaCO₃ (8 g) ↑
 (estimated ideal BW 30kg)

	first /100 gram DM	second /100 gram DM	first / MJ	second / MJ
CP	31.25	32.90	16.88	17.25
CF	10.57	10.57	5.71	6.95
ME kJ/100g as fed	752.02	753.83		
kJ/kg ^{0.75}	584.6	653.6		

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Follow-up



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Final follow up

- 05/2013: relapse, initiation corisone therapy, hospitalization @ clinic 4/6/2013, severe acidosis, euthanasia
- Final diagnosis, food allergy?
 – Provocation test postponed until good BCS...



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Thank you!



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