NUTRITION IN GENERAL PRACTICE

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Nutrition



- What do I feed?
- How much do I feed?
- But what about [chicken/vegetables/meat/rice/milk/oil....]?
- Are expensive brands better?
- Is wet or dry better?

'What do I feed?'









Dog food is for dogs Cat food is for cats Human food is for humans





'How much do I feed?'



But what about....?



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1. BALANCE

- Home cooked/human diet is not balanced
- It is very hard to balance a home cooked diet if you are not a nutritionist.
- All dog food marketed as a 'complete and balanced' formula will have the right balance of protein, calcium, magnesium, Vit K etc
- If you feed a commercial diet according to the guidelines, your dog won't lack nutrients.

AAFCO

- American Association of Feed Control Officials
- Produce nutrition profiles/standards for pet foods



PEDIGREE® can meets the nutritional levels established by the Association of American Feed Control Officials (AAFCO) Dog Food Nutrient Profile for Adult Maintenance.

Made in Australia by Mars Petcare Australia, Petcare Place, Wodonga, Victoria, 3690. Distributed in New Zealand by Mars NZ Ltd. Bldg 14, 666 Group and New Zealand by Mars NZ Ltd. Bldg 14,

- The AAFCO statement on pet food packaging means the food has been formulated with nutrients in the right balance, according to AAFCO profiles.
- 'Minimum standards' 'Recipes'

AAFCO Dog Nutrient Profiles

Growth and Reproduction

- Protein 22.5%
 - Further broken down into specific amino acid requirements

• Fat 8.5%

- Minerals
 - Includes calcium, phosphorus, potassium, sodium, chloride, magnesium, iron, copper, manganese, zinc, iodine, selenium

• Vitamins

 Includes vitamin A, vitamin D, vitamin E, thiamine, riboflavin, pantothenic acid, niacin, pyridoxine, folic acid, vitamin B12, choline

Adult Maintenance

•Protein 18%

- Further broken down into specific amino acid requirements
- •Fat 5.5%

•Minerals

 Includes calcium, phosphorus, potassium, sodium, chloride, magnesium, iron, copper, manganese, zinc, iodine, selenium camins

•Vitamins

 Includes vitamin A, vitamin D, vitamin E, thiamine, riboflavin, pantothenic acid, niacin, pyridoxine, folic acid, vitamin B12, choline

AAFCO Cat Food Nutrient Profiles



AN MACKEREL

Ingredients: Mackerel Meal, Legumes (lupins and beans), Sorghum, Tallow Sweet Potato, Added Vitamins & Minerals, Beet Pulp, DHA Algae Chia Seeds, Chicory Extract, Carrot Natural Antioxidant from Rosemary

Adult Australian Mackerel is formulated to meet the nutritional levels established by the AAFCO **Dog Food Nutrient Profiles for** maintenance of adult dogs.



Individual feeding needs may vary depending on age, weight, breed and activity level. The table to the left is a guide only and as nutrition requirements can change over time, be sure to adjust to suit your pet's needs. If unsure always consult your veterinarian.

Ensure your dog always has access to clean and fresh water. We recommend you feed your dog twice per day.

GLOW SATISFACTION GUARANTEE: If for any reason this product was not able to meet you expectations please return the unused portion to the place of purchase for a full refund or n

Shredded **3** Simple Ingredients Natur cken

100%

C

INGREDIEL TS: Chicken Chicken Broth, Water Sufficient **EED ANALYSIS:** Crude Protein For Housessing, GUARA (Min.) 12%, Crude Fat 0.5%, Crude Fiber (Max.) 1%, Mcis.ure (Max.) 90%, Asir (Max.) 1.5%. Wellness CORE Simply Shreds Shredded Boneless Chicken Recipe in Broth tended for intermittent or supplemental feeding only. FE EDING INFORMATION: This is a complementary food inten ed to be fed with a complete and balanced cat food diet CALORIE CONTENT (CALCULATED): 585 kcal/kg or 29 kcal/pouch (ME, as fed). If for any reason you or your cat



Are expensive brands better?

- Yes
- and No

2.QUALITY

- The difference between cheap brands and the premium brands is the QUALITY of the ingredients.
- eg, the cheaper brands might have soy/vegetable protein.
 The more expensive brands may have chicken/meat protein,
 But both will have an adequate amount of protein.
- However they will all be BALANCED
- Therefore *both will be better than home cooked diet*











Wet vs dry

Doesn't really matter

- Wet:
 - Up to 80% moisture content
 - Therefore more \$\$ to feed



More economical



 \rightarrow Same nutrient balance in both

Premium brands

- Still equally BALANCED
- Higher QUALITY ingredients
- Less 'fillers' = feed less quantity = less Faeces to scoop up!

AND

- FOOD TRIALS to test the safety and quality of their food
- →Research/trials are expensive, so this food costs more











Pet food labels

• All ingredients are listed in order of proportion by weight.



AN MACKEREL

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Adult Australian Mackerel is formulated to meet the nutritional levels established by the AAFCO Dog Food Nutrient Profiles for maintenance of adult dogs. Protein Crude Fat Crude Fibre Ash Moisture Energy (M.E) Omega 3 Fatty Omega 6 Fatty Omega 6:3*

NUTRITION

INGREDIENTS

Wholegrain cereals; meat by-products & meat (poultry, beef &/or sheep); canola meal; natural flavours (chicken); beet pulp; iodised salt; minerals; amino acid; vitamins; antioxidants; vegetable powders and colours.

FEEDING GUIDE

Here's a simple guide to meeting your dog's daily nutritional needs. Individual needs may vary depending on the age, breed, activity level or environmental factors.

Weight of	Dry Only (g)	Mixed Feeding	
Weight of dog (kg)		Wet* (g)	+ Dry (g)
5	90	200	40
10	150	300	80
20	250	600	120
30	340	800	160
·	100	000	220



Puppy food

- Large/Giant breeds: Large breed puppy food 18-24 mths
- All other puppies: Puppy food til 12mths





ROYAL CANIN PUPPY MINI 10 kg Eukanuba DEDICATED TO HEALTHY ACTIVE LIVES





Angular Limb Deformities in a Giant-Breed Puppy

A 6-month-old male, 47-kg Tosa-Ken was presented for lameness with bilateral carpal valgus.

History. Beginning 2 months prior to presentation, the dog demonstrated signs of worsening bilateral angulation of the distal extent of the antebrachia; the right forelimb was more severely affected than the left (Figure 1). The patient was being fed a homemade diet of raw whole chicken, vegetables, vitamins, and minerals. With onset of forelimb deformities, the dog was treated with 1500 mg vitamin C Q 12 H; there was no improvement.

Physical Examination. Carpal valgus was present bilaterally but worse on the right side. The dog was moderately overweight with a body condition score (BCS) of 7/9. Pain was present on flexion of the right carpus and right forelimb manus; the right carpus and digits knuckled over when the patient walked.

Imaging. Radiographs of both antebrachia were obtained. Bilateral mild carpal valgus centered at the antebrachial carpal joint with fore-



Breed specific food

• No real benefit/difference.









Pregnancy/lactation

- 2nd half of pregnancy <u>double</u> rations
- 3rd trimester: good quality **<u>puppy food</u>** (but not large breed)
- Lactation: puppy food triple rations
- DON'T GIVE Calcium, can be detrimental





Sick patients

Acute Vomiting/Diarrhoea:

- Chicken + Rice
- Royal Canin Gastrointestinal

Anorexic/sick animals:

- Royal Canin Recovery
- Anything they will eat!
- Syringe/force feed



But what about....?











Are bones good?

- Yes.... and No.
- *If* you give bones:
 - RAW
 - BIG
 - TO CHEW **ON** NOT CHEW **UP**





Transitioning

- Important to explain
- Take as long as you need
- Food aversion
 - Especially when sick



What about Grain Free?

- No proven benefit
- But all still balanced
- Most tend to be higher quality



Rabbits

- Many diseases caused by poor nutrition
- Need to keep eating to avoid gut stasis

- Fresh leafy vegetables: 2c/kg/day
 - Avoid lettuce
 - Limit fruits and carrots (high carbohydrates)
- Unlimited hay/grass
- Small amount pellets (optional)
- If sick: feed Critical Care



Summary:

- Feed dog/cat food only
 - Look for AAFCO statement
 - Wet or dry doesn't matter
- Puppy food til 12mths old
 - Large breeds: large breed puppy food, til 18-24mths
- Feed according to feeding guidelines
- Transition slowly





Questions?

Obesity

- 1. How MUCH are you feeding?
- 2. What ELSE are you feeding? (WHO else is feeding?)
- 3. Reduce AMOUNT /cut out snacks!
- 4. Increase EXERCISE
- 5. Change to weight loss FORMULA





We need treats for training

Arthritis





Atopy, skin allergies







Dental disease prevention





Stress/FLUTD

CKD



