

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - FOOD ALLERGY



CONDITION	CONCURRENT CONDITION / FEATURE	HYP0-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
FOOD ALLERGY*	Kidney failure, growth (>14 wk)	X		X			X								X					X		CDD	For adult with P-binder / Porus One
	Liver failure, risk urate	X		X											X							CDD	low purine (LP)
	Liver failure, cholestasis	X		X									X									CID-LF, CIW-LF	
	GI - maldigestion/malabsorption	X												X			X		(X)			COD-HY, COW-HY, CDD-HY, CDW, CID-LF, CIW-LF	
	GI- EPI	X												X			X		(X)			COD-HY, COW-HY, CDD-HY, CDW, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE	X									X			X					(X)			COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE low fat	X											X	X					(X)			CID-LF, CIW-LF	
	GI - PLE	X												X	X				(X)			CID-LF, CIW-LF	
	GI - Lymphangiectasia	X												X	X				(X)			CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM	X			X							X		X					(X)			CDD, CDD-HY, COW-HY	
	Pancreatitis, requiring fat < 10% DM	X			X									X	X				(X)			CID-LF, CIW-LF	
	Pancreatitis with hyperlipidemia	X			X									X	X				(X)			CID-LF, CIW-LF	
	Hyperlipidemia	X			X									X								CID-LF, CIW-LF	
	Urolithiasis, ca-oxalate	X	X						X			(X)					X					CDD	
	Urolithiasis, urate	X	X														X				Low purine	CDD	
	Urolithiasis, cystine	X	X						X	X							X					CDD	
	Urolithiasis, silica	X							X	X							X					CDD	
	Urolithiasis, struvite	X														X						COW-HY, COD-HY, CDD-HY + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis	X										X										COD-HY, COW-HY	
	Osteoarthritis, overweight	X										X	X									CID-LF, CIW-LF	Feed restricted for weight loss (nutrient level sufficiently high)
		X										X	X									COD-HY, COW-HY	
	Obesity	X										(X)	X	X								CID-LF, CIW-LF	
	DM	X									X	(X)											COD-HY/COW-HY + Insulin
Anorexia, cachexia	X										X			X								COD-HY, COW-HY	

x need for optimal nutritional support (x) nice for optimal nutritional support X dietary characteristic met by diet (X) dietary characteristic not completely met by (all) diet(s), but quite acceptable X characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

* Recommendation depends on offending allergen. For cases with identified offending allergen, other diets may be suited as well: see table with review of raw materials of SPECIFIC diets

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - ATOPY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
ATOPY	Kidney failure		X			X		X	X		X					X						CKD, CKW	
	Kidney failure, growth			X			X				(X)					X					X	CGW	
	Liver failure, encephalopathy		X					X	X		X											CKD, CKW	
	Liver failure, risk urate			X							X					X						CKD, CKW	
	Liver failure, cholestasis			X							X	X										CID-LF, CIW-LF	
	Heart failure, concurrent CRF		X				X		X	X		X										CKD, CKW	
	Heart failure, no CRF							X	X			X										COD	
	GI - maldigestion/malabsorption											X			X			X		(X)		COD-HY, COW-HY	
	GI- EPI											X			X			X		(X)		COD-HY, COW-HY	
	GI-IBD, Colitis, CE		X									X			X					(X)		COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE low fat		X									X	X	X						(X)		CID-LF, CIW-LF	
	GI - PLE		X									X	X	X						(X)		CID-LF, CIW-LF	
	GI - Lymphangiectasia											X	X	X						(X)		CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM					X						X	X		X							COW-HY	
	Pancreatitis, requiring fat < 10% DM					X						X	X	X	X							CID-LF, CIW-LF	
	Pancreatitis with hyperlipidemia					X						X	X	X	X							CID-LF, CIW-LF	
						X						X	X		X								COW-HY
	Hyperlipidemia											X	X									CID-LF, CIW-LF	
	Urolithiasis, ca-oxalate			X					X			X					X					CKD, CKW	
	Urolithiasis, urate			X								X					X					CKD, CKW	
	Urolithiasis, cystine			X					X			X					X					CKD, CKW	
	Urolithiasis, silica								X			X					X					CKD, CKW	
	Urolithiasis, struvite											X				X						COD, COD-HY, COW-HY + remark	treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis											X										COD, CJD, COD-HY, COW-HY	
	Osteoarthritis, overweight											X										CJD	Feed restricted for weight loss (nutrient level)
	Osteoarthritis, senior/CRF			X	X		X	X				X										CKD, CKW, CGW	
Obesity											X	X									CID-LF, CIW-LF		
DM										X	X										CED-DM, F/C-IN-W		
Anorexia, cachexia											X			X							COD, COD-HY, COW-HY		

x need for optimal nutritional support (x) nice for optimal nutritional support x dietary characteristic met by diet (x) dietary characteristic not completely met by (all) diet(s), but quite acceptable x characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - FOOD ALLERGY & ATOPY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
FOOD ALLERGY & ATOPY	Liver failure, risk urate	X		X							X					X						CDD		
	Liver failure, cholestasis	X		X							X	X											CID-LF, CIW-LF	
	GI - maldigestion/malabsorption	X									X			X			X		(X)				COD-HY, COW-HY, CID-LF, CIW-LF	
	GI- EPI	X									X			X			X		(X)				COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE	X									X			X					(X)				COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE low fat	X									X	X	X	X					(X)				CID-LF, CIW-LF	
	GI - PLE	X									X		X	X					(X)				CID-LF, CIW-LF	
	GI - Lymphangiectasia	X									X		X	X					(X)				CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM	X			X						X	X		X									COW-HY	
	Pancreatitis, requiring fat < 10% DM	X			X						X		X	X									CID-LF, CIW-LF	
	Pancreatitis with hyperlipidemia	X			X						X		X	X									CID-LF, CIW-LF	
	Hyperlipidemia	X									X		X										CID-LF, CIW-LF	
	Urolithiasis, ca-oxalate	X	X						X		X						X						CDD	
	Urolithiasis, urate	X	X								X						X						CDD	
	Urolithiasis, cystine	X	X						X		X						X						CDD	
	Urolithiasis, silica	X							X		X						X						CDD	
	Urolithiasis, struvite	X									X					X							COW-HY, COD-HY + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis	X									X												COD-HY, COW-HY	
	Osteoarthritis, overweight	X									X	X											CID-LF, CIW-LF	Feed restricted for weight loss (nutrient level sufficiently high)
		X									X	X											COD-HY, COW-HY	
Obesity	X									X		X										CID-LF, CIW-LF		
DM	X									X	X											COD-HY/COW-HY with insulin		
Anorexia, cachexia	X									X				X								COD-HY, COW-HY		

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - KIDNEY FAILURE



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
KIDNEY FAILURE	Atopy		X			X		X	X		X					X						CKD, CKW		
	Kidney failure, growth (> 14 wk)			X			X									X				X		CGD, CGW, CDD		
	Liver failure, encephalopathy		X			X		X	X		X					X							CKD, CKW	
	Liver failure, risk urate		X			X		X	X		(X)					X							CKD, CKW	
	Liver failure, cholestasis			X			X			X		X	X										CID-LF, CIW-LF	with P-binder; add rice to reduce Na (from 0.26 to 0.18)
				X	X		X		X				X											CGD + P-binder
	Heart failure, concurrent CRF		X				X		X	X		X					X						CKD, CKW	
	GI - maldigestion/malabsorption		X				X		X	X		(X)			X		X	X		X			CKD, CKW	
	GI- EPI		X				X		X	X		(X)			X		X	X		X			CKD, CKW	
	GI-IBD, Colitis, CE low fat	X	X				X		X	X		X	X		X		X			X			CID-LF, CIW-LF with P-binder?	Porus One also for dogs?
	GI - PLE	X	X				X		X	X		X	X		X		X			X			CID-LF, CIW-LF with P-binder?	Porus One also for dogs?
	GI - Lymphangiectasia	X	X				X		X	X		X	X		X		X			X			CID-LF, CIW-LF with P-binder?	Porus One also for dogs?
	Pancreatitis, tolerate fat 10-15% DM		X			X	X		X	X		X	X				X						CGD + P-binder, if needed	
	Pancreatitis, requiring fat < 10% DM		X			X	X		X	X		X	X				X						CGD + P-binder, if needed	
	Pancreatitis with hyperlipidemia		X			X	X		X	X		X	X				X						CGD + P-binder, if needed	
	Hyperlipidemia		X				X		X	X		X	X				X						CGD + P-binder, if needed	
	Urolithiasis, ca-oxalate		X				X		X	X		(X)					X						CKD, CKW	
	Urolithiasis, urate		X				X		X	X		X					X						CKD, CKW	
	Urolithiasis, cystine		X				X		X	X		X					X						CKD, CKW	
	Urolithiasis, silica						X		X	X		X					X						CKD, CKW	
	Urolithiasis, struvite		X				X		X	X		X				X							CKD, CKW + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis		X				X		X	X		X											CKD, CKW	
	Osteoarthritis, overweight						X	X	X	X		X											CGW + P-binder or CKD/CKW	Feed restricted for weight loss (nutrient level sufficiently high)
	Obesity		X				X	X	X	X		X	X										CGD+ P-binder, CKD, CKW	Feed very moderate
	DM		X				X		X		X	(X)											CKD/CKW + insulin	
	Anorexia, cachexia		X				X		X	X		X			X		X						CKD, CKW	Mirataz?

x need for optimal nutritional support (x) nice for optimal nutritional support x dietary characteristic met by diet x dietary characteristic not completely met by (all) diet(s), but quite acceptable x characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - LIVER FAILURE



*LIVER FAILURE, CHOLESTASIS **LIVER, ENCEPHALOPATHY OR CRF

CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
Food allergy		X		X				X	X		(X)			X								CDD, CDW	
	Food allergy*	X		X					X		(X)	X										CDD	
		X		X					X		(X)		X									CID-LF, CIW-LF	
LIVER FAILURE GENERAL	Atopy		X	X				X	X		X											CGW, CKD, CKW	
	Kidney failure		X	X		X					(X)					X						CKD, CKW, CGD, CGW	
	Kidney failure, growth (>14 wk)			X			X									X				X		CGD, CGW, CDD	
	Heart failure, concurrent CRF		X			X		X	X		X					X						CKD, CKW	
	Heart failure, no concurrent CRF			X				X	X		X											CGW	
	GI - maldigestion/malabsorption/EPI		X	X				X	X		(X)			X								CDD, CGD, CGW	
	GI - maldigestion/malabsorption**		X	X		(X)		X	X		(X)			X		(X)						CKD, CKW	
	GI-IBD, Colitis, CE low fat	X	X	X					X	X		X	X	X					X			CID-LF, CIW-LF	
	GI - PLE	X	X	X					X			X	X	X					X			CID-LF, CIW-LF	if protein/Na too high: add rice
	GI - Lymphangiectasia	X	X	X					X			X	X	X					X			CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM			X	X				X	X		X	X									CGD	
	Pancreatitis, requiring fat < 10% DM			X	X				X	X			X									CGD, CID-LF, CIW-LF	
	Pancreatitis with hyperlipidemia			X	X				X	X			X									CGD, CID-LF, CIW-LF	if protein/Na in CID/W-LF too high: add rice
	Hyperlipidemia		X	X					X	X		(X)	X									CGD, CID-LF, CIW-LF	
	Urolithiasis, ca-oxalate		X	X					X	X		(X)					X					CKD, CKW	
	Urolithiasis, urate		X						X	X							X					CKD, CKW	
	Urolithiasis, cystine		X						X	X							X					CKD, CKW	
	Urolithiasis, silica		X	X					X	X							X					CKD, CKW	
	Urolithiasis, struvite		X	X		X			X	X						X						CKD, CKW + remark	treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis			X	X				X	X		X										CKD, CKW or CGW (higher protein)	if higher protein required: mix with CJD)
Obesity			X	X				X	X			X									CGD		
DM			X	X				X	X	X	(X)										CKD/CKW,/CGD/CGW with insulin		
Anorexia, cachexia			X	X				X	X		X			X							CKD, CKW, CGW		
Growth				X				X	X											X	CGD, CGW	Dep. on age: add Gistocal	

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SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - HEART FAILURE WITHOUT CRF



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
HEART FAILURE WITHOUT CRF	Food allergy	X						X	X		X											COD-HY	PARNUT Na<0.18 g/MJ; COD-HY 0.18 g/MJ	
	Atopy							X	X		X												COD, CGW	
	Combined allergies	X						X	X		X												COD-HY	
	Liver failure, encephalopathy		X					X	X		X												CKD, CKW	
	Liver failure general		X	X				X	X		X												CGW	
	Gi - maldigestion/malabsorption/EPI							X	X		X			X						(X)			COD, CGW, (COD-HY)	
	Gi-ibd, colitis, CE	X						X	X		X			X						(X)			COD-HY, (COD not hypoallergenic)	COD not HA, but high n-3 can be effective for colitis
	Gi - PLE	X	X					X	X				X	X						X			CID-LF, CIW-LF	if Na too high: add rice
	Gi - lymphangiectasia	X	X					X	X				X	X						X			CID-LF, CIW-LF	if Na too high: add rice
	Pancreatitis, tolerate fat 10-15% DM			X	X			X	X		X	X	X										CGD	
	Pancreatitis, requiring fat < 10% DM			X	X			X	X		X		X										CGD	
	Pancreatitis with hyperlipidemia			X	X			X	X		X		X										CGD	
	Hyperlipidemia		X					X	X		X		X										CGD	
	Urolithiasis, ca-oxalate		X	X				X	X		X						X						CKD, CKW	
	Urolithiasis, urate		X					X	X		X						X						CKD, CKW	
	Urolithiasis, cystine		X					X	X		X						X						CKD, CKW	
	Urolithiasis, silica							X	X		X						X						CKD, CKW	
	Urolithiasis, struvite						X	X	X		X					X							COD, CGW	treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis							X	X		X												COD	
	Obesity							X	X		X	X	X										CGD, CED-DM	
Dm							X	X	X	X												CED-DM		
Anorexia, cachexia							X	X		X			X									COD		
Growth							X	X		X										X		COD-HY, CAD	When approaching end of growth: switch to COD	

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SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - HEART FAILURE WITH CRF



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
HEART FAILURE WITH CRF	Atopy		X			X		X	X		X					X						CKD, CKW		
	Kidney failure, growth			X			X				X					X					X	CGW		
	Liver failure, encephalopathy		X			X		X	X		X					X						CKD, CKW		
	Liver failure, risk urate		X			X					X					X						CKD, CKW		
	Liver failure, cholestasis			X			X			X		X		X									CID-LF, CIW-LF	with P-binder; add rice to reduce Na (from 0.26 to 0.18)
				X	X		X		X					X									CGD + P-binder	
	GI - maldigestion/malabsorption		X			X		X	X		X			X			X					CKD, CKW		
	GI- EPI		X			X		X	X		X			X			X					CKD, CKW		
	GI-IBD, Colitis, CE low fat																							
	GI - PLE	X	X			X		X	X		X		X	X						X		CID-LF, CIW-LF with P-binder?	Porus One also for dogs? Add rice to reduce Na	
	GI - Lymphangiectasia																							
	Pancreatitis, tolerate fat 10-15% DM		X			X	X		X	X		X	X	X			X						CGD + P-binder	
	Pancreatitis, requiring fat < 10% DM		X			X	X		X	X		X		X									CGD + P-binder	
	Pancreatitis with hyperlipidemia		X			X	X		X	X		X		X									CGD + P-binder	
	Hyperlipidemia		X				X		X	X		X		X									CGD + P-binder	
	Urolithiasis, ca-oxalate		X				X		X	X		X					X						CKD, CKW	
	Urolithiasis, urate		X				X		X	X		X					X						CKD, CKW	
	Urolithiasis, cystine		X				X		X	X		X					X						CKD, CKW	
	Urolithiasis, silica		X				X		X	X		X					X						CKD, CKW	
	Urolithiasis, struvite		X				X		X	X		X				X							CKD, CKW + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis		X				X		X	X		X											CKD, CKW	
Obesity		X				X	X	X	X		X	X										CGD + P-binder		
DM		X				X		X	X	X	(X)											CKD/CKW + insulin		
Anorexia, cachexia		X				X		X	X		X			X								CKD, CKW	Mirataz?	
Growth				X			X	X	X		X									X		CGW, (CGD)		

x need for optimal nutritional support (x) nice for optimal nutritional support X dietary characteristic met by diet X dietary characteristic not completely met by (all) diet(s), but quite acceptable X characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - JOINT



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK		
JOINT	Food allergy	X									X											COD-HY, COW-HY			
	Kidney failure		X			X		X			X												CKD, CKW		
	Liver failure		X	X				X	X		X												CKD, CKW, CGW		
	Heart failure without CRF							X	X		X												COD		
	Heart failure with CRF		X			X		X			X												CKD, CKW		
	GI - maldigestion/malabsorption/EPI										X			X						(X)			COD-HY, COW-HY		
	GI-IBD, Colitis, CE	X									X			X						(X)			COD-HY, COW,HY		
	GI-IBD, Colitis, CE low fat	X									X		X	X						(X)			CID-LF, CIW-LF		
	GI - PLE	X									X		X	X						(X)			CID-LF, CIW-LF		
	GI - Lymphangiectasia	X									X		X	X						(X)			CID-LF, CIW-LF		
	Pancreatitis, tolerate fat 10-15% DM				X	X						X	X											COW-HY, CID-LF, CIW-LF	
	Pancreatitis, requiring fat < 10% DM				X	X						X		X										CID-LF, CIW-LF	
	Pancreatitis with hyperlipidemia				X	X						X		X										CID-LF, CIW-LF	
	Hyperlipidemia											X		X										CID-LF, CIW-LF	
	Obesity / WR											X		X										CJD (<15% overweight), CRD (> 15% Overweight), CID-LF/CIW-LF	
	Struvite urolithiasis							X				X				X								CJD with antibiotics and acidifier	
	CA-oX urolithiasis		X						X	X		X					X							CKD, CKW	
	Urate urolithiasis		X						X	X		X					X							CKD, CKW	
	Cystine urolithiasis		X									X					X							CKD, CKW	
	Diabetes										X	X												CED-DM	

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - DIABETES



NOTE: DOGS HAVE IDDM SO TREATMENT WITH INSULIN IS REQUIRED

CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
DIABETES	Food allergy	X								X	X											COD-HY/COW-HY + Insulin		
	Atopy									X	X												CED-DM, F/C-IN-W	
	Food allergy & atopy	X								X	X												COD-HY/COW-HY + Insulin	
	Kidney		X			X		X		X	(X)												CKD/CKW + insulin	
	Liver general		X	X				X	X	X	(X)												CKD/CKW,/CGD/CGW with insulin	CGD not high in n-3
	Liver encephalo		X	X				X	X	X	(X)												CKD/CKW,/CGD/CGW with insulin	CGD not high in n-4
	Liver cholestasis			X	X								X	X					X				CRD-1, CRD-2	Not moderate in protein!
	Heart without CRF							X	X	X	X								X				CED-DM	
	Heart+ CRF		X				X		X		X	X											CKD/CKW + insulin	OR CKD/W + INSULIN
	GI - maldigestion/malabsorption/EPI										X				X								F/C-IN-W/L, C-BIO-W	
	GI-IBD, Colitis, CE		X								X	X			X								COD-HY, COW-HY + insulin	
	GI-IBD, Colitis, CE , low fat		X								X			X	X								CID-LF, CIW-LF + insulin	
	GI - PLE		X								X			X	X								CID-LF, CIW-LF + insulin	
	GI - Lymphangiectasia		X								X			X	X								CID-LF, CIW-LF + insulin	
	Pancreatitis, tolerate fat 10-15% DM										X		X		X				X				CED-DM, CRD-2	CED-DM: low carb: CRD-2 high fibre
	Pancreatitis, requiring fat < 10% DM										X		X						X				CRD-2	Not low carb, but high fibre
	Pancreatitis with hyperlipidemia										X		X	X					X				CED-DM, CRD-2	CED-DM: low carb: CRD-2 high fibre
	Hyperlipidemia										X		X	X					X				CED-DM, CRD-2	
	Urolithiasis, ca-oxalate			X					X		X	X					X						CKD, CKW + insulin	
	Urolithiasis, urate			X							X	X					X						CKD, CKW + insulin	
	Urolithiasis, cystine			X				X			X	X					X						CKD, CKW + insulin	
	Urolithiasis, silica							X			X	X					X						CKD, CKW + insulin	
	Urolithiasis, struvite										X	X				X			X				CED-DM, CRD-1/-2	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis										X	X											CED-DM	
	Obesity											X	X						X				CRD-1, CRW-1, CRD-2	
	Anorexia, recovery, cachexia										X	X											F/C-IN-W/L	

x need for optimal nutritional support (x) nice for optimal nutritional support x dietary characteristic met by diet x dietary characteristic not completely met by (all) diet(s), but quite acceptable x characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - GROWTH



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
GROWTH	Food Allergy	X																		X		CDD-HY, COD-HY, COW-HY		
	Atopy										X										X		COD-HY, COW-HY	
	Combined allergy (food & atopy)	X									X										X		COD-HY, COW-HY	
	Kidney Failure			X			X				(X)					X					X		CGD, CGW	pups > 14 wk
	Liver failure, shunt/encephalopathy			X					X												X		CDD mixed with CPD	depends on age - see article Norberto
	Liver failure, risk urate			X												X					X		CDD	depends on age if addition (EGG, Gistocal) required
	Liver failure, cholestasis			X								X	X								X		CGD (NOT CGW)	depending on age additional Gistocal
	Heart failure, concurrent CRF			X			X		X		X										X		CGW	depending on age additional CaP (no Na)
	Heart failure, no CRF								X		X										X		CAD	
	GI - maldigestion/malabsorption														X			X		(X)	X		CID, CIW, COD-HY, COW-HY, CDD-HY	
	GI- EPI														X			X		(X)	X			+ digestive enzymes
	GI-IBD, Colitis, CE		X									X			X					(X)	X		COD-HY, COW-HY	
	GI-IBD, Colitis, CE low fat		X									X	X	X						(X)	X		CID-LF, CIW-LF	
	GI - PLE		X									X	X	X						(X)	X		CID-LF, CIW-LF	For young pups some extra Gistocal (CaP)
	GI - Lymphangiectasia											X	X	X						(X)	X		CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM					X						X	X		X						X		CID, CIW, CPD-XL, CDD-HY, COW-HY	
	Pancreatitis, requiring fat < 10% DM					X						X		X	X						X		CID-LF, CIW-LF	For young pups some extra Gistocal (CaP)
	Pancreatitis with hyperlipidemia					X						X	X	X	X						X		COW-HY, CID-LF, CIW-LF	For young pups some extra Gistocal (P) to CID-LF/CIW-LF
	Hyperlipidemia											X		X							X		COW-HY, CID-LF, CIW-LF	For young pups some extra Gistocal (CaP)
												X		X							X		CRD-1, CRD-2	

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - GROWTH (CONTINUED)



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORTIVE / FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
GROWTH	Urolithiasis, ca-oxalate			X				X								X					X	CGW, CGD -check pH + Gistocal	add K-citrate if needed, switch to CKW/CKD when adult	
	Urolithiasis, urate			X												X						X	CDD with Gistocal. Check pH	add K-citrate if needed, only CDD when adult
	Urolithiasis, cystine			X				X								X						X	CGW, CGD -check pH + Gistocal	add K-citrate if needed, switch to CKW/CKD when adult
	Urolithiasis, silica							X								X						X	CDD with Gistocal. Check pH	add K-citrate if needed, switch to CKW/CKD when adult
	Struvite urolithiasis, very young pups														X							X	FCD-L	Antibiotics. For young pups add CaP (Gistocal). Only short term
	Struvite urolithiasis, pups > 50% adult BW														X							X	CCD	Antibiotics - CCD only short term. Monitor for recurrent UTI
	Osteoarthritis											X										X	COD-HY or CJD with CaP	
	Obesity											X	X									X	CRD-1, CRW	
	DM										X	X										X	CED-DM, F/C-IN-W, CRD-1/CRW	Young pups: extra P (Gistocal) to CED-DM
											X						X				X	CRD-1. CRD-2	(high fibre complex CH approach DM)	
	Anorexia, cachexia										X		X								X	CPW, F/C-IN-W/L, COD-Hy, COW-HY		

x need for optimal nutritional support (x) nice for optimal nutritional support X dietary characteristic met by diet X dietary characteristic not completely met by (all) diet(s), but quite acceptable X characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR DOGS WITH MULTIPLE CONCURRENT CONDITIONS - MIXED UROLITHS



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
MIXED UROLITHS	Struvite / Calcium oxalate		X					X	X							X						CKD, CKW	Monitor for recurrent UTISG < 1.020 (give wet or add water to dry) Check pH - if too low: give potassium citrate (Starting dose 2 times per day 50-75 mg/kg.
	Struvite / Urate		X													X						CDD (low purine), CKD/CKW	
	Struvite / Calcium phosphate					X		X	X							X						CKD/CKW	
	Struvite / Ca-ox / Ca phosphate		X			X		X	X							X						CKD/CKW	
	Ca-ox / Ca-phosphate		X			X		X	X							X						CKD/CKW	
	Struvite / Urate / Calcium phosphate		X				X									X						CDD (low purine), CKD/CKW	
	Struvite / Silica									X						X						CKD/CKW	

REDUCTION OF RECURRENCE - Mixed stones cannot be dissolved; often an initial stone causes a UTI that causes struvite precipitation. Reduction of recurrence is targeted at the initial stone

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - ATOPY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
ATOPY	Kidney failure		X			X		X	X		X					X						FKD, FKW, FKW-P		
	Kidney failure, growth			X			X				(X)					X					X	FGW, FGD		
	Liver failure, encephalopathy		X					X	X		X											FKD, FKW, FKW-P		
	Liver failure, risk urate		X	X							X					X						FKD, FKW, FKW-P		
	Heart failure, concurrent CRF		X				X		X	X	X											FKD, FKW		
	Heart failure, no CRF							X	X		X											FKD, FKW, FGW, FGD or FDW (lower Na0)		
	GI - maldigestion/malabsorption											X			X			X				FOD-HY, FOW-HY		
	G I- EPI											X			X			X				FOD-HY, FOW-HY		
	GI - IBD, Colitis, CE	X										X			X							FOD-HY, FOW-HY		
	Pancreatitis, tolerate fat 10-15% DM					X						X	X		X							FOD-HY		
	Urolithiasis, ca-oxalate		X						X			X						X				FKD, FKW, FKW-P		
	Urolithiasis, urate		X									X						X				FKD, FKW, FKW-P		
	Urolithiasis, cystine		X						X			X						X				FKD, FKW, FKW-P		
	Urolithiasis, silica								X			X						X				FKD, FKW, FKW-P		
	Urolithiasis, struvite											X				X						FOD-HY, FOD		
	Idiopathic cystitis											X										wet	FOW-HY	
	Osteoarthritis											X											FJD, FJW, FOD, FOD-HY, FOW-HY,	
	Osteoarthritis, senior/CRF		X	X			X	X				X											FKD, FKW, FKW-P	Depending on kidney function and MCS, FOD-HY can be added to increase protein/P
	Obesity											X	X	X									FOD-HY, FOW-HY, FOD	Feed restricted
	DM										X	X											FED-DM, FEW-DM	
Anorexia, cachexia											X			X								FOD-HY, FOW-HY, F/C-IN-W/L		

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - FOOD ALLERGY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
FOOD ALLERGY	Heart failure, no CRF	X							X		(X)											FDW (not high in -3)	FDW 0.13 g Na/MJ - no high n-3
	GI - maldigestion/malabsorption	X												X			X					FOD-HY, FOW-HY, FDD-HY, FDW	
	GI- EPI	X												X			X					FOD-HY, FOW-HY, FDD-HY, FDW	
	GI-IBD, Colitis, CE	X									X			X								FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM	X			X							X		X								FDD-HY, FOD-HY	
	Urolithiasis, struvite	X														X						FDD-HY, FOD-HY,	Not FOW-HY (pH > 6.4)
	Idiopathic cystitis	X										(X)									wet	FOW-HY, FDW	
	Osteoarthritis	X										X										FOD-HY, FOW-HY	
	Obesity	X										(X)	X	X								FOD-HY, FDD-HY	Feed restricted
	DM	X								X		(X)										FDW (not high in -3), FOD-HY, FDD-HY+ insulin	Treat DM with insulin
Anorexia, cachexia	X										X			X							FOD-HY, FOW-HY		

x need for optimal nutritional support (x) nice for optimal nutritional support dietary characteristic met by diet dietary characteristic not completely met by (all) diet(s), but quite acceptable characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

* Recommendation depends on offending allergen. For cases with identified offending allergen, other diets may be suited as well: see table with review of raw materials of SPECIFIC diets

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - FOOD ALLERGY & ATOPY



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
FOOD ALLERGY & ATOPY	GI - maldigestion/malabsorption	X									X			X			X					FOD-HY, FOW-HY		
	GI - EPI	X									X			X			X						FOD-HY, FOW-HY	
	G I- IBD, Colitis, CE	X									X			X									FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM	X			X						X	X		X									FOD-HY	
	Urolithiasis, struvite	X									X				X								FOD-HY,	Not FOW-HY (pH > 6.4)
	Idiopathic cystitis										X										wet		FOW-HY	
	Osteoarthritis	X									X												FOD-HY, FOW-HY	
	Obesity	X									X	X											FOD-HY, FOW-HY	Feed restricted
	DM	X								X	X												FOD-HY, FOW-HY	Treat DM with insulin
	Anorexia, cachexia	X									X				X									FOD-HY, FOW-HY

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - KIDNEY FAILURE



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
KIDNEY FAILURE	Atopy		X			X		X	X		X					X						FKD, FKW, FKW-P		
	kidney failure, growth			X			X									X				X		FGD, FGW		
	liver failure, encephalopathy		X			X		X	X		X					X						FKD, FKW, FKW-P		
	liver failure, risk urate		X			X		X	X		(X)					X						FKD, FKW, FKW-P		
	Heart failure, concurrent CRF		X			X		X	X		X					X						FKD, FKW		
	GI - maldigestion/malabsorption		X			X		X	X		(X)			X		X	X						FKD, FKW, FKW-P	
	GI- EPI		X			X		X	X		(X)			X		X	X						FKD, FKW, FKW-P	
	Urolithiasis, ca-oxalate		X			X		X	X		(X)					X							FKD, FKW, FKW-P	
	Urolithiasis, urate		X			X		X	X		X					X							FKD, FKW, FKW-P	
	Urolithiasis, cystine		X			X		X	X		X					X							FKD, FKW, FKW-P	
	Urolithiasis, silica		X			X		X	X		X					X							FKD, FKW, FKW-P	
	Urolithiasis, struvite		X			X		X	X		X					X	X						FKD, FKW, FKW-P	Wet preferred: + acidifier
	Idiopathic cystitis		X			X		X	X		(X)					X						wet	FKW, FKW-P	
	Osteoarthritis		X			X		X	X		X					X							FKD, FKW, FKW-P	
	Obesity		X			X	X	X	X		X	X				X							FKD, FKW, FKW-P	Feed very moderate??
	DM		X			X		X	X	X	X	(X)				X							FGW, FKW, FKW-P, FKD	Wet diets very low in carbohydrate + insulin
	Anorexia, cachexia		X			X		X	X		X			X		X							FKD, FKW, FKW-P + Mirataz	

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - LIVER FAILURE



*LIVER FAILURE, ENCEPHALOPATHY **LIVER, ENCEPHALOPATHY OR CRF

CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK		
LIVER FAILURE GENERAL	Food allergy	X	X	X				X	X		(X)			X								FDW			
	Food allergy*	X	X					X	X		(X)												FDW		
	Atopy		X	X				X	X		X												FGW, FGD, FKD, FKW, FKW-P	preference depending on desired protein level	
LIVER FAILURE GENERAL	Kidney failure		X			X		X			X					X							FKD, FKW, FKW-P, FGD, FGW		
	Kidney failure, growth			X			X		X		X					X					X		FGW, FGD		
	Heart failure, concurrent CRF		X			X		X	X		X					X							FKD, FKW		
	Heart failure, no concurrent CRF			X				X	X		X												FGW, FGD, FDW		
	GI - maldigestion/malabsorption/EPI		X	X				X	X		(X)			X									FDW, FKD, FOD-HY, FGD, FGW	choice depending on required protein level	
	GI - maldigestion/malabsorption**		X			(X)		X	X		(X)			X									FKD, FKW		
	GI-IBD, Colitis, CE	X	X	X				X	X		(X)			X									FDW (not high in n-3)		
	Pancreatitis, tolerate fat 10-15% DM			X	X			X	X			X											FDD-HY, FOD-HY		
	Pancreatitis, requiring fat < 10% DM			X	X			X	X				X										FRD	suitability depends on protein requirement	
	Pancreatitis with hyperlipidemia			X	X			X	X				X												
	Hyperlipidemia		X	X				X	X		X	X	X												
	Urolithiasis, ca-oxalate		X						X	X		(X)					X							FKD, FKW, FKW-P	
	Urolithiasis, urate		X						X	X							X							FKD, FKW, FKW-P	
	Urolithiasis, cystine		X						X	X							X							FKD, FKW, FKW-P	
	Urolithiasis, silica								X	X							X							FKD, FKW, FKW-P	
	Urolithiasis, struvite		X				X		X	X						X								FKD, FKW, FKW-P, FGW, FGD	wet preferred, add acidifier
	Idiopathic cystitis		X	X					X	X		(X)										wet		FKW, FKW-P, FGW	
	Osteoarthritis		X	X					X	X		X												FKD, FKW, or FGW (higher protein)	
	Obesity		X	X					X	X		(X)	X											FKD, FKW, or FGW (higher protein)	Feed very moderate??
	DM			X	X				X	X	X	(X)												FKD, FKW, or FGW (higher protein)	Wet diets very low in carbohydrate + INSULIN
Anorexia, cachexia		X	X					X	X		X			X									FKD, FKW, FKW-P, FGD, FGW + Mirataz		
Growth				X					X												X		FGW, FGD		

x need for optimal nutritional support (x) nice for optimal nutritional support x dietary characteristic met by diet x dietary characteristic not completely met by (all) diet(s), but quite acceptable x characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - HEART FAILURE WITHOUT CRF



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
HEART FAILURE WITHOUT CRF	Food allergy	X						X	X		X											FDW	(FDW not high in n-3)	
	Atopy							X	X		X											FGW, FGD		
	Liver failure, encephalopathy		X					X	X		X											FKD, FKW		
	Liver failure general			X				X	X		X											FGW, FGD, FDW, FKD, FKW	depending on aimed protein level	
	GI - maldigestion/malabsorption/EPI							X	X		X			X								FDW, FGD, FGW, FKD, FKW		
	GI-IBD, Colitis, CE	X						X	X		X			X								FDW		
	Pancreatitis, tolerate fat 10-15% DM			X	X			X	X		X	X	X										FCD-L	
	Urolithiasis, ca-oxalate		X	X					X	X		X						X					FKD, FKW	
	Urolithiasis, urate		X						X	X		X						X					FKD, FKW	
	Urolithiasis, cystine		X						X	X		X						X					FKD, FKW	
	Urolithiasis, silica								X	X		X						X					FKD, FKW	
	Urolithiasis, struvite						X		X	X		X				X							FKD, FKW, FGW, FGD	wet preferred, add acidifier
	Idiopathic cystitis								X	X		X										wet	FGW, FKW	
	Osteoarthritis								X	X		X											FKD, FKW, or FGW (higher protein)	if higher protein required: mix with FJD/FJW
	Obesity								X	X		X	X										FKD, FKW, or FGW (higher protein)	Feed very moderate??
	DM								X	X	X	X											FKW/FGW (higher protein)	treat with INSULIN
	Anorexia, cachexia								X	X		X			X								FKD, FKW, + Mirataz	or just palatable diet: AVCIM: prioritise energy intake above Na restriction
Growth								X	X		X										X	FGW, FGD		

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - HEART FAILURE WITH CRF



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
HEART FAILURE WITH CRF	Atopy		X			X		X	X		X					X						FKD, FKW		
	Kidney failure, growth			X			X				X					X					X	FGD, FGW	At end of growth: switch to FKD, FKW, FKW-HY (For very young kittens some FOW-HY may be added).	
	Liver failure, encephalopathy		X			X		X	X		X											FKD, FKW		
	Liver failure, risk urate		X			X					X					X						FKD, FKW		
	GI - maldigestion/malabsorption		X			X		X	X		X				X			X					FKD, FKW	
	GI - EPI		X			X		X	X		X				X			X					FKD, FKW	
	Urolithiasis, ca-oxalate		X			X		X	X		X						X						FKD, FKW	
	Urolithiasis, urate		X			X		X	X		X						X						FKD, FKW	
	Urolithiasis, cystine		X			X		X	X		X						X						FKD, FKW	
	Urolithiasis, silica		X			X		X	X		X						X						FKD, FKW	
	Urolithiasis, struvite		X			X		X	X		X					X							FKD, FKW	wet preferred: if needed + acidifier
	Idiopathic cystitis		X			X		X	X		X											wet	FKW	
	Osteoarthritis		X			X		X	X		X												FKD, FKW	
	Obesity		X			X	X	X	X		X	X											FKD, FKW	Feed very moderate??
	DM		X			X		X	X		X	(X)											FKD, FKW+ INSULIN	treat with INSULIN (wet diet preferred)
	Anorexia, cachexia		X			X		X	X		X				X								FKD, FKW + Mirataz	
	Growth			X			X	X	X		X										X		FGW, FGD	

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - JOINT



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK		
JOINT	Food allergy	X									X											FOD-HY, FOW-HY			
	Kidney failure		X			X		X			X												FKD, FKW, FKW-P		
	Liver failure		X	X				X	X		X												FKD, FKW, FKW-P, FGW		
	Heart failure							X	X		X												FGW, FKD, FKW		
	GI - maldigestion/malabsorption/EPI										X			X									FOD-HY, FOW-HY		
	GI-IBD, Colitis, CE	X									X			X										FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM			X	X						X	X												FOD-HY	
	Obesity / WR											X		X										FJD/W (<15% overweight), FRD (> 15% Overweight for initial weight loss)	
	Diabetes										X	X												FED-DM, FEW-DM	
	Urolithiasis, struvite						X					X				X								FJD, FJW	
	Urolithiasis, ca-oxalate		X						X	X		X					X							FKD, FKW	
	Urolithiasis, urate		X									X					X							FKD, FKW	
	Urolithiasis, cystine		X						X	X		X				X								FKD, FKW	
Idiopathic cystitis											X										wet		FJW		

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - DIABETES



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
DIABETES	Food allergy	X								X	(X)											FDW, FOD-HY, FDD-HY, FOW-HY + INSULIN	treat DM with insulin	
	Atopy									X	X											FED-DM, FEW-DM		
	Food allergy & atopy	X								X	X											FOD-HY, FOW-HY + INSULIN	treat DM with insulin	
	Kidney		X			X		X		X	(X)					X						FGW, FKW, FKW-P, FKD, (+ INSULIN)	Wet diets very low in carbohydrate + INSULIN	
	Liver general		X	X				X	X	X	(X)											FKD, FKW, FKW-P, or FGW (higher protein) + INSULIN	treat with INSULIN (wet diets FKW, FKW-P, FGW lower in carbohydrate)	
	Liver encephalopathy		X					X		X	(x)											FKD, FKW, FKW-P, (+ INSULIN)		
	Liver cholestasis				X	X					X		X	X				X				FRD, FRW	not moderate in protein!	
	Heart without CRF							X	X	X	X											FGW, FKW, FKD (+insulin)	Wet diets very low in carbohydrate + INSULIN	
	Heart+ CRF		X				X		X		X	(x)												
	GI - maldigestion/malabsorption/EPI										X				X								F/C-IN-W/L, F-BIO-W, FXW, FPW	
	GI-IBD, Colitis, CE		X								X	X			X								FOD-HY + INSULIN	
	GI-IBD, Colitis, CE , low fat		X								X	X	X	X	X								FOD-HY + INSULIN	
	GI - PLE		X								X	X	X	X	X								FOD-HY + INSULIN	
	GI - Lymphangiectasia		X								X	X	X	X	X								FOD-HY + INSULIN	
	Pancreatitis, tolerate fat 10-15% DM										X		X		X								FED-DM	
	Pancreatitis, requiring fat < 10% DM													X					X				FRD, FRW	not low carb, but high fibre
	Pancreatitis with hyperlipidemia													X					X				FRD, FRW	
	Hyperlipidemia													X					X				FRD, FRW	
	Urolithiasis, ca-oxalate			X				X	X	X	X						X						FKW, FKW-P + INSULIN	
	Urolithiasis, urate			X							X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, cystine			X				X	X	X	X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, silica							X	X	X	X	X					X						FKW, FKW-P + INSULIN	
	Urolithiasis, struvite										X	X				X							FCW-P, FEW-DM	
																X			X				FRD	
	Idiopathic cystitis										X	X									wet		FEW-DM, FXW, FXW-P, F-BIO-W	
	Osteoarthritis										X	X											FED-DM, FEW-DM	
Obesity												X						X				FRD, FRW		
Anorexia, recovery, cachexia										X	X			X								F/C-IN-W/L		

x need for optimal nutritional support (x) nice for optimal nutritional support x dietary characteristic met by diet x dietary characteristic not completely met by (all) diet(s), but quite acceptable x characteristic not met by diet; not ideal but most suited option; sometimes medication/adaptation required

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - GROWTH



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
GROWTH	Food Allergy	X																		X		FDD-HY, FOD-HY, FOW-HY		
	Atopy										X										X		FOD-HY, FOW-HY	
	Combined allergy (food & atopy)	X									X										X		FOD-HY, FOW-HY	
	Kidney Failure			X	X		X				(X)					X					X		FGD, FGW	Depending on age and renal function FPW/FXW or F/C-IN-W/L may be required to add to meet nutrient requirements
	Liver failure, shunt/encephalopathy			X	X				X												X		FGD, FGW	
	Liver failure, risk urate			X	X											X					X		FGW, FGD	
	Heart failure, concurrent CRF			X	X		X		X		X										X		FGW, FGD	
	Heart failure, no CRF								X		X										X		FGW, FGD	
	GI - maldigestion/malabsorption														X		X		(X)	X			FID, FIW, FOD-HY, FOW-HY, FDD-HY	
	GI - EPI														X		X		(X)	X			FID, FIW, FOD-HY, FOW-HY, FDD-HY	
	GI - IBD, Colitis, CE	X										X			X					(X)	X		FOD-HY, FOW-HY	
	GI - IBD, Colitis, CE low fat	X										X	X	X	X					(X)	X		FOD-HY, FOW-HY	Depending on required fat reduction may need to be added
	GI - PLE	X									X	X	X	X						(X)	X		FOD-HY, FOW-HY	
	GI - Lymphangiectasia											X	X	X	X					(X)	X		FOD-HY, FOW-HY	
	Pancreatitis, tolerate fat 10-15% DM					X						(X)	X		X						X		FDD-HY, FOD-HY, FND	
	Pancreatitis, requiring fat < 10% DM					X						(X)		X	(X)						X		FRD	
	Pancreatitis with hyperlipidemia					X						(X)	X	X	X						X		FRD, FND, FOD-HY, FDD-HY	FOD-HY high in n-3
	Hyperlipidemia											(X)		X							X		FRD	
												(X)	X								X		FND, FOD-HY, FDD-HY, FRW	FOD-HY high in n-3
	Urolithiasis, ca-oxalate				X				X								X				X		FGW, FGD -check pH	Add K-citrate if needed, switch to FKW/FKD when adult
	Urolithiasis, urate			X												X					X		FGW, FGD -check pH	
	Urolithiasis, cystine				X				X							X					X		FGW, FGD -check pH	
	Urolithiasis, silica								X							X					X		FGW, FGD -check pH	

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - GROWTH (CONTINUED)



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK	
GROWTH	Struvite urolithiasis, young kittens < 6 mo														X					X		FND (check UTI)	In case of UTI: antibiotics and diet only short term	
	Struvite urolithiasis, kittens > 50% 6 mo														X					X			FCD, FCW, FCW-P	
	Idiopathic cystitis										(X)									X	wet		FPW, FOW-HY, FIW	
	Osteoarthritis										X									X			FOD-HY, FOW-HY	
	Obesity										X		X							X			FRD, FRW	
	DM									X	X									X			F-BIO-W; FED/W-DM + CaP; or FRD/FRW	CaP from Gistocal
	Anorexia, cachexia											X		X						X			FPW, F/C-IN-W/L, FOD-HY, FOW-HY	

SPECIFIC™ DIETS FOR CATS WITH MULTIPLE CONCURRENT CONDITIONS - MIXED UROLITHS



CONDITION	CONCURRENT CONDITION / FEATURE	HYPO-ALLERGENIC	LOW PROTEIN	MODERATE REDUCED PROTEIN	MODERATE PROTEIN	LOW P	MODERATE REDUCED P	LOW NA	MODERATE NA	LOW CARB	HIGH N-3	LOW FAT (10-15% DM)	VERY LOW FAT (<10%DM)	HIGHLY DIGESTIBLE	LOW URINE PH	NEUTRAL - HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
MIXED UROLITHS	Struvite / Calcium oxalate		X					X	X							X						FKD, FKW, FKW-P	Monitor for recurrent UTISG < 1.030 (give wet or add water to dry) Check pH - if too low: give potassium citrate (Starting dose 2 times per day 50-75 mg/kg.
	Struvite / Urate		X													X						FKD, FKW, FKW-P	
	Struvite / Calcium phosphate					X		X	X							X						FKD, FKW, FKW-P	
	Struvite / Ca-ox / Ca phosphate		X			X		X	X							X						FKD, FKW, FKW-P	
	Ca-ox / Ca-phosphate		X			X		X	X							X						FKD, FKW, FKW-P	
	Struvite / Urate / Calcium phosphate		X				X									X						FKD, FKW, FKW-P	
	Struvite / Silica									X						X						FKD, FKW, FKW-P	

REDUCTION OF RECURRENCE - Mixed stones cannot be dissolved; often an initial stone causes a UTI that causes struvite precipitation. Reduction of recurrence is targeted at the initial stone