

SPECIFIC™ DIETS FOR DOGS 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*	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					(X)			CID-LF, CIW-LF	
	GI - PLE	X									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	
	Pancreatitis, requiring fat < 10% DM				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	

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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)			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	

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 - 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			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			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
LIVER FAILURE GENERAL	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	
	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	if protein/Na too high: add rice
	GI - PLE	X	X	X					X		X		X	X					X			CID-LF, CIW-LF	
	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	if protein/Na in CID/W-LF too high: add rice
	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	
	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)	

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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	+ digestive enzymes
	GI- EPI													X			X		(X)	X			
	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	For young pups some extra Gistocal (CaP)
	GI - PLE	X									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		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-SUPPORT/ 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	
	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	

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