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



																							SPECIFIC
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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ Fermentable Fibre/Aura-Guard	SUPPORT OF GROWTH	ОТНЕВ	RECOMMENDED DIET	REMARK
	Kidney failure, growth (>14 wk)	Х		Х			Х									Х				Х		CDD	For adult with P-binder / Porus One
	Liver failure, risk urate	Χ		Х												Χ						CDD	low purine (LP)
	Liver failure, cholestasis	X		Х									Х									CID-LF, CIW-LF	
п	GI - maldigestion/malabsorption	Х												X			Χ		(X)			COD-HY, COW-HY, CDD-HY, CDW, CID-LF, CIW-LF	
۰	GI- EPI	х												Х			X		(X)			COD-HY, COW-HY, CDD-HY, CDW, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE	Х									X			Χ					(X)			COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE low fat	X											Х	Χ					(X)			CID-LF, CIW-LF	
	GI - PLE	X											Х	Χ					(X)			CID-LF, CIW-LF	
	GI - Lymphangiectasia	X											Х	X					(X)			CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM	X			Х							Χ		X					(X)			CDD, CDD-HY, COW-HY	
*\D	Pancreatitis, requiring fat < 10% DM	X			Х								Х	Χ					(X)			CID-LF, CIW-LF	
H	Pancreatitis with hyperlipidemia	X			Х								Х	X					(X)			CID-LF, CIW-LF	
FOOD ALLERGY*	Hyperlipidemia	X			Χ								Х									CID-LF, CIW-LF	
50	Urolithiasis, ca-oxalate	X	X					X			(X)					Χ						CDD	
п	Urolithiasis, urate	х	Х													X					Low purine	CDD	
	Urolithiasis, cystine	X	X					Χ	Χ							Χ						CDD	
	Urolithiasis, silica	X						X	Χ							Χ						CDD	
۰	Urolithiasis, struvite	X													X							COW-HY, COD-HY, CDD-HY + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis	Х									X											COD-HY, COW-HY	
	Ostooorthritin overweight	Х									Х	Х										CID-LF, CIW-LF	Feed restricted for weight loss (nutrient level
	Osteoarthritis, overweight	Х									Х	Х										COD-HY, COW-HY	sufficiently high)
	Obesity	X									(X)		Х									CID-LF, CIW-LF	
	DM	Χ								Х	(X)											COD-HY/COW-HY + Insulin	
	Anorexia, cachexia	X									X			Χ								COD-HY, COW-HY	

x need for optimal nutritional support (x) nice for optimal nutritional suppor

<sup>\*</sup> 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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	ОТНЕВ	RECOMMENDED DIET	REMARK
	Kidney failure		Х			Х		Х	Х		Χ					χ						CKD, CKW	
	Kidney failure, growth			Х			Х				(X)					Χ				Х		CGW	
	Liver failure, encephalopathy		Х					Х	Х		Χ											CKD, CKW	
	Liver failure, risk urate			Χ							Χ					Χ						CKD, CKW	
	Liver failure, cholestasis			Х							Χ		Χ									CID-LF, CIW-LF	
	Heart failure, concurrent CRF		Х			Х		Х	Х		Χ											CKD, CKW	
	Heart failure, no CRF							Х	Χ		Χ											COD	
	GI - maldigestion/malabsorption										Χ			Х			Χ		(X)			COD-HY, COW-HY	
	GI- EPI										Χ			Х			Χ		(X)			COD-HY, COW-HY	
	GI-IBD, Colitis, CE	Х									Χ			Х					(X)			COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE low fat	Х									Χ		Х	Х					(X)			CID-LF, CIW-LF	
	GI - PLE	X									Χ		Х	Х					(X)			CID-LF, CIW-LF	
	GI - Lymphangiectasia										Χ		Χ	Х					(X)			CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM				Х						Χ	Χ		Х								COW-HY	
_	Pancreatitis, requiring fat < 10% DM				Х						Χ		Χ	Х								CID-LF, CIW-LF	
AT0PY	Pancreatitis with hyperlipidemia				Х						Χ	Х	Χ	Х								CID-LF, CIW-LF	
A	T anorodatio With Hypothphaomia				Х						Χ	Χ		Х								COW-HY	
	Hyperlipidemia										Х		Х									CID-LF, CIW-LF	
	Urolithiasis, ca-oxalate		Х					Х			Χ					Χ						CKD, CKW	
	Urolithiasis, urate		Х								Χ					Χ						CKD, CKW	
	Urolithiasis, cystine		Х					Х			Χ					Χ						CKD, CKW	
	Urolithiasis, silica							Х			Х					Χ						CKD, CKW	
	Urolithiasis, struvite										X				Х							COD, COD-HY, COW-HY + remark	treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis										Χ											COD, CJD, COD-HY, COW-HY	
	Osteoarthritis, overweight										Х											CJD	Feed restricted for weight loss (nutrient level
	Osteoarthritis, senior/CRF		Χ	Х		Χ	Х				Х											CKD, CKW, CGW	
п	Obesity										Х		Х									CID-LF, CIW-LF	
	DM									Χ	Χ											CED-DM, F/C-IN-W	
	Anorexia, cachexia										Χ			Х								COD, COD-HY, COW-HY	



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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED	REMARK
	Liver failure, risk urate	Х		Х							Х					Х						CDD	
	Liver failure, cholestasis	Х		X							Χ		Χ									CID-LF, CIW-LF	
	GI - maldigestion/malabsorption	Х									Х			Х			Χ		(X)			COD-HY, COW-HY, CID-LF, CIW-LF	
	GI- EPI	Х									Χ			Χ			Χ		(X)			COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE	Χ									Χ			Χ					(X)			COD-HY, COW-HY, CID-LF, CIW-LF	
	GI-IBD, Colitis, CE low fat	Χ									Χ		Χ	Χ					(X)			CID-LF, CIW-LF	
	GI - PLE	Χ									Χ		Χ	Χ					(X)			CID-LF, CIW-LF	
	GI - Lymphangiectasia	Х									Χ		Χ	Х					(X)			CID-LF, CIW-LF	
>	Pancreatitis, tolerate fat 10-15% DM	Х			Χ						Χ	Χ		Χ								COW-HY	
T0P	Pancreatitis, requiring fat < 10% DM	Х			Χ						Χ		Χ	Χ								CID-LF, CIW-LF	
8 A	Pancreatitis with hyperlipidemia	Х			Χ						Χ		Χ	Χ								CID-LF, CIW-LF	
RGY	Hyperlipidemia	Х									Χ		Χ									CID-LF, CIW-LF	
ij	Urolithiasis, ca-oxalate	X	X					Χ			Χ					Χ						CDD	
FOOD ALLERGY & ATOPY	Urolithiasis, urate	Х	Χ								Χ					Χ						CDD	
요	Urolithiasis, cystine	Х	Χ					Х			Χ					Χ						CDD	
	Urolithiasis, silica	Х						Χ			Χ					Χ						CDD	
	Urolithiasis, struvite	Х									X				X							COW-HY, COD-HY + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis	Х									Χ											COD-HY, COW-HY	
	Osteoarthritis, overweight	Х									Χ	Χ										CID-LF, CIW-LF	Feed restricted for weight loss (nutrient
	Osteodi uiitiis, ovei weigiti	Х									Х	Χ										COD-HY, COW-HY	level sufficiently high)
	Obesity	Х									Х		Χ									CID-LF, CIW-LF	
	DM	Х								Х	Х											COD-HY/COW-HY with insulin	
	Anorexia, cachexia	Χ									Χ			Χ								COD-HY, COW-HY	

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



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

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



\*LIVER FAILURE, CHOLESTASIS \*\*LIVER, ENCEPHALOPATHY OR CRE

^LIVER	FAILURE, CHOLESTASIS **LIVER, ENCE	PHALUP	AIHY	JK CKF																			
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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	ОТНЕВ	RECOMMENDED DIET	REMARK
	Food allergy	Х		Χ				Х	Χ		(X)			Х								CDD, CDW	
		Х		Χ					χ		(X)	Х										CDD	
	Food allergy*	Х		Х					Χ		(X)		Х									CID-LF, CIW-LF	
	Atopy		Х	Χ				Х	χ		Х											CGW, CKD, CKW	
	Kidney failure		Χ	Х		Х					(X)					Х						CKD, CKW, CGD, CGW	
	Kidney failure, growth (>14 wk)			Х			Χ									Х				Х		CGD, CGW, CDD	
	Heart failure, concurrent CRF		Χ			Х		Х	χ		Χ					Х						CKD, CKW	
	Heart failure, no concurrent CRF			Χ				Х	Χ		Χ											CGW	
	GI - maldigestion/malabsorption/EPI		Х	Х				Х	Χ		(X)			Х								CDD, CGD, CGW	
	GI - maldigestion/malabsorption**		Χ	Х		(X)		Х	Χ		(X)			Χ		(X)						CKD, CKW	
	GI-IBD, Colitis, CE low fat	Х	Χ	Х				Х	χ		Χ		Χ	Χ					Х			CID-LF, CIW-LF	
	GI - PLE	Х	Χ	Х					Χ		Χ		Χ	Χ					Х			CID-LF, CIW-LF	if protein/Na too high: add rice
뒴	GI - Lymphangiectasia	Х	Х	Х					Χ		Х		Χ	Х					Х			CID-LF, CIW-LF	add 1100
Ē	Pancreatitis, tolerate fat 10-15% DM			Х	Х			Х	Χ			Х	Χ									CGD	
E E	Pancreatitis, requiring fat < 10% DM			Χ	Х			Х	Χ				Х									CGD , CID-LF, CIW-LF	
뿔	Pancreatitis with hyperlipidemia			Χ	Х			Х	Χ				Х									CGD , CID-LF, CIW-LF	if protein/Na in CID/W-LF too high: add rice
LIVER FAILURE GENERAL	Hyperlipidemia		Х	Χ				Х	Χ		(X)		Х									CGD , CID-LF, CIW-LF	
F.	Urolithiasis, ca-oxalate		Х	Χ				Х	Χ		(X)					Х						CKD, CKW	
	Urolithiasis, urate		Х					Х	Χ							Х						CKD, CKW	
	Urolithiasis, cystine		Х					Х	Χ							Х						CKD, CKW	
	Urolithiasis, silica		Χ	Х				Х	Χ							Х						CKD, CKW	
	Urolithiasis, struvite		Х	Х		Х		Х	Х						Х							CKD, CKW + remark	treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis		Χ	Х				Х	Х		Х											CKD, CKW or CGW (higher protein)	if higher protein required: mix with CJD)
	Obesity		Χ	Х				Х	Χ			Χ										CGD	
	DM		Χ	Х				Х	Χ	Х	(X)											CKD/CKW,/CGD/CGW with insulin	
	Anorexia, cachexia		Χ	X				Χ	Χ		Χ			Χ								CKD, CKW, CGW	
	Growth			X				Х	Χ											X		CGD, CGW	Dep. on age: add Gistocal

#### 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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	ОТНЕВ	RECOMMENDED DIET	REMARK
	Food allergy	Х						Х	Χ		Х											COD-HY	PARNUT Na<0.18 g/MJ; COD-HY 0.18 g/MJ
	Atopy							Χ	Х		Х											COD, CGW	
	Combined allergies	Χ						χ	Χ		Х											COD-HY	
	Liver failure, encephalopathy		Х					χ	Χ		Х											CKD, CKW	
	Liver failure general		Х	Х				Χ	Χ		Χ											CGW	
	Gi - maldigestion/malabsorption/EPI							χ	Χ		Х			Χ					(X)			COD, CGW, (COD-HY)	
	Gi-ibd, colitis, CE	Х						Х	Χ		Х			Х					(X)			COD-HY, (COD not hypoallergenic)	COD not HA, but high n-3 can be effective for colitis
	Gi - PLE	Х	Х					Χ	Χ				Χ	Χ					Х			CID-LF, CIW-LF	if Na too high: add rice
HEART FAILURE WITHOUT CRF	Gi - lymphangiectasia	Х	Х					Χ	Χ				Χ	Χ					Х			CID-LF, CIW-LF	if Na too high: add rice
UO	Pancreatitis, tolerate fat 10-15% DM			Х	Χ			Х	Χ		Χ	Χ	Χ									CGD	
¥	Pancreatitis, requiring fat < 10% DM			Х	Χ			Х	Χ		Χ		Χ									CGD	
Æ	Pancreatitis with hyperlipidemia			Х	Χ			Χ	Χ		Χ		Χ									CGD	
AILU	Hyperlipidemia		X					Χ	Χ		Χ		Χ									CGD	
RTF	Urolithiasis, ca-oxalate		Х	Х				Χ	Χ		Χ					Χ						CKD, CKW	
Æ	Urolithiasis, urate		X					Χ	Χ		Χ					Χ						CKD, CKW	
	Urolithiasis, cystine		Χ					Χ	Χ		Χ					Χ						CKD, CKW	
	Urolithiasis, silica							Χ	Χ		Χ					Χ						CKD, CKW	
	Urolithiasis, struvite					Х		Х	X		Х				X							COD, CGW	treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis							Χ	Χ		Χ											COD	
	Obesity							χ	Χ		Χ	Χ	Χ									CGD, CED-DM	
	Dm							Χ	Χ	Χ	Χ											CED-DM	
	Anorexia, cachexia							Χ	Χ		Х			Χ								COD	
	Growth							Х	Х		X									Х		COD-HY, CAD	When appraoching end of growth: switch to COD



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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	ОТНЕВ	RECOMMENDED	REMARK
	Atopy		Х			Х		Х	Х		Х					Χ						CKD, CKW	
	Kidney failure, growth			Х			Х				Χ					Χ				Χ		CGW	
	Liver failure, encephalopathy		Х			Χ		Х	Х		Х					Χ						CKD, CKW	
	Liver failure, risk urate		Х			Х					Х					Χ						CKD, CKW	
п	Liver failure, cholestasis		Х			Х			Х		Х		Х									CID-LF, CIW-LF	with P-binder; add rice to reduce Na (from 0.26 to 0.18)
			Χ	Х		Χ		Х					Χ									CGD + P-binder	
	GI - maldigestion/malabsorption		X			Х		Х	Χ		X			Χ			Χ					CKD, CKW	
	GI- EPI		Χ			Х		Х	Х		Χ			Χ			Χ					CKD, CKW	
HEART FAILURE WITH CRF	GI-IBD, Colitis, CE low fat GI - PLE GI - Lymphangiectasia	Х	X			χ		X	Х		X		Х	X					х			CID-LF, CIW-LF with P-binder?	Porus One also for dogs? Add rice to reduce Na
¥	Pancreatitis, tolerate fat 10-15% DM		Χ		χ	Χ		χ	Х		Х	Χ	Х			χ						CGD + P-binder	
퓚	Pancreatitis, requiring fat < 10% DM		Χ		Χ	Χ		χ	Χ		Χ		Χ									CGD + P-binder	
AILL	Pancreatitis with hyperlipidemia		Χ		Χ	χ		Χ	Х		Χ		Х									CGD + P-binder	
R F	Hyperlipidemia		Χ			χ		Χ	Х		Χ		Х									CGD + P-binder	
HEA	Urolithiasis, ca-oxalate		Χ			Χ		Χ	Х		Χ					χ						CKD, CKW	
	Urolithiasis, urate		Χ			χ		Х	Х		Х					Χ						CKD, CKW	
	Urolithiasis, cystine		Х			Χ		Х	Х		Х					Χ						CKD, CKW	
	Urolithiasis, silica		Χ			Х		Χ	Х		Χ					Χ						CKD, CKW	
	Urolithiasis, struvite		Х			Х		Х	Х		Х				Х							CKD, CKW + remark	Treat with antibiotics and temporarily urinary acidifier
	Osteoarthritis		X			Χ		Х	Χ		X											CKD, CKW	
	Obesity		X			Х	Х	Х	Х		X	Х										CGD + P-binder	
	DM		Х			Χ		Х	Х	Χ	(X)											CKD/CKW + insulin	
	Anorexia, cachexia		Х			Χ		Х	Х		Х			Χ								CKD, CKW	Mirataz?
	Growth			Х			Х	Х	Х		Х									Χ		CGW, (CGD)	



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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	ОТНЕВ	RECOMMENDED	REMARK
	Food allergy	Χ									Χ											COD-HY, COW-HY	
	Kidney failure		Χ			Χ		Χ			Χ											CKD, CKW	
	Liver failure		Χ	Х				Χ	Х		Χ											CKD, CKW, CGW	
	Heart failure without CRF							Х	Х		Χ											COD	
	Heart failure with CRF		X			Χ		Χ			Χ											CKD, CKW	
	GI - maldigestion/malabsorption/EPI										Χ			Χ					(X)			COD-HY, COW-HY	
	GI-IBD, Colitis, CE	Χ									Χ			Χ					(X)			COD-HY, COW,HY	
	GI-IBD, Colitis, CE low fat	Χ									Χ		Х	Χ					(X)			CID-LF, CIW-LF	
	GI - PLE	Χ									Χ		Χ	Χ					(X)			CID-LF, CIW-LF	
	GI - Lymphangiectasia	Χ									Χ		Х	Χ					(X)			CID-LF, CIW-LF	
JOINT	Pancreatitis, tolerate fat 10-15% DM			Х	Χ						Χ	Χ										COW-HY, CID-LF, CIW-LF	
7	Pancreatitis, requiring fat < 10% DM			Х	Χ						Χ		Χ									CID-LF, CIW-LF	
	Pancreatitis with hyperlipidemia			Х	Х						Χ		Х									CID-LF, CIW-LF	
	Hyperlipidemia										Χ		Х									CID-LF, CIW-LF	
п	Obesity / WR										х		Х									CJD (<15% overweight), CRD (> 15% Overweight), CID-LF/CIW-LF	
	Struvite urolithiasis						X				Χ				Χ							CJD with antibiotics and acidifier	
	CA-oX urolithiasis		Х					Х	Χ		Χ					Χ						CKD, CKW	
	Urate urolithiasis		Х					Х	Х		Χ					Χ						CKD, CKW	
	Cystine urolithiasis		Х								Χ					Χ						CKD, CKW	
	Diabetes									Х	Х											CED-DM	



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

#### 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 DIGESTABLE	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	Х																		Х		CDD-HY, COD-HY, COW-HY	
	Atopy										Χ									Χ		COD-HY, COW-HY	
	Combined allergy (food & atopy)	Χ									Χ									Χ		COD-HY, COW-HY	
	Kidney Failure			Х			Х				(X)					Х				X		CGD, CGW	pups > 14 wk
	Liver failure, shunt/encephalopathy			Х					X											Х		CDD mixed with CPD	depends on age - see article Norberto
	Liver failure, risk urate			X												Х				Χ		CDD	depends on age if addition (EGG, Gistocal) required
	Liver failure, cholestasis			Х								Х	Χ							Χ		CGD (NOT CGW)	depending on age additional Gistocal
	Heart failure, concurrent CRF			X			Х		X		X									Χ		CGW	depending on age additional CaP (no Na)
	Heart failure, no CRF								Χ		Χ									Χ		CAD	
GROWTH	GI - maldigestion/malabsorption													Χ			Χ		(X)	Χ		CID, CIW, COD-HY,	
3RO	GI- EPI													Χ			X		(X)	X		COW-HY, CDD-HY	+ digestive enzymes
	GI-IBD, Colitis, CE	Χ									Χ			Χ					(X)	Χ		COD-HY, COW-HY	
	GI-IBD, Colitis, CE low fat	Х									Χ		Χ	Χ					(X)	Х		CID-LF, CIW-LF	_
	GI - PLE	Х									Χ		Χ	Χ					(X)	Х		CID-LF, CIW-LF	For young pups some extra Gistocal (CaP)
	GI - Lymphangiectasia										Χ		Χ	Χ					(X)	Х		CID-LF, CIW-LF	
	Pancreatitis, tolerate fat 10-15% DM				Х						Χ	Х		Х						Х		CID, CIW, CPD-XL, CDD-HY, COW-HY	
	Pancreatitis, requiring fat < 10% DM				Х						Χ		Х	Х						Х		CID-LF, CIW-LF	For young pups some extra Gistocal (CaP)
	Pancreatitis with hyperlipidemia				Х						Х	Х	Х	Х						Х		COW-HY, CID-LF, CIW-LF	For young pups some extra Gistocal (P) to CID-LF/CIW-LF
	Hyperlipidemia										Х		Х							Х		COW-HY, CID-LF, CIW-LF	For young pups some extra Gistocal (CaP)
											Χ		Χ							Χ		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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
	Urolithiasis, ca-oxalate			Х				Х								Х				Χ		CGW, CGD -check pH + Gistocal	add K-citrate if needed, switch to CKW/CKD when adult
п	Urolithiasis, urate			Х												Χ				Χ		CDD with Gistocal. Check pH	add K-citrate if needed, only CDD when adult
	Urolithiasis, cystine			Х				Х								Х				Х		CGW, CGD -check pH + Gistocal	add K-citrate if needed, switch to CKW/CKD
	Urolithiasis, silica							Х								Х				Х		CDD with Gistocal. Check pH	when adult
픋	Struvite urolithiasis, very young pups														Х					Х		FCD-L	Antibiotics. For young pups add CaP (Gistocal). Only short term
GROWTH	Struvite urolithiasis, pups > 50% adult BW														Х					X		CCD	Antibiotics - CCD only short term. Monitor for recurrent UTI
	Osteoarthritis										Χ									Х		COD-HY or CJD with CaP	
	Obesity										Χ		Χ							Х		CRD-1, CRW	
	DM									Х	Х									Х		CED-DM, F/C-IN-W, CRD-1/CRW	Young pups: extra P (Gistocal) to CED-DM
											Х							Х		Х		CRD-1. CRD-2	(high fibre complex CH aproach DM)
	Anorexia, cachexia										X			X						Х		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 DIGESTABLE	LOW URINE PH	NEUTRAL- HIGH URINE PH	LOW FIBRE	HIGH FIBRE	GI-SUPPORT/ FERMENTABLE FIBRE/AURA-GUARD	SUPPORT OF GROWTH	OTHER	RECOMMENDED DIET	REMARK
	Struvite / Calcium oxalate		Х					Χ	Χ							Χ						CKD, CKW	
रु	Struvite / Urate		Х													Χ						CDD (low purine), CKD/CKW	Monitor for recurrent
UROLITHS	Struvite / Calcium phosphate					Х		Χ	Χ							Χ						CKD/CKW	UTISG < 1.020 (give wet or add water to dry)
URO	Struvite / Ca-ox / Ca phosphate		Х			Х		Χ	Χ							Χ						CKD/CKW	Check pH - if too low:
MIXED	Ca-ox / Ca-phosphate		Х			Х		Χ	Χ							Χ						CKD/CKW	give potassium citrate (Starting dose 2 times
Ē	Struvite / Urate / Calcium phosphate		Х				Х									Χ						CDD (low purine), CKD/CKW	per day 50-75 mg/kg.
	Struvite / Silica								Х							Х						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