

PUPILLARY LIGHT REFLEX DIAGNOSTIC CHART

Light Source	R Pupil	L Pupil	Direct PLR		Consensual PLR					
	at rest	at rest	R	L	R	L	Lesion			
Room light	Normal	Normal								
Dark room	Mydriatic	Mydriatic					No Lesion			
L – nasal & temporal				Normal	Normal		Normal Eyes			
R – nasal & temporal			Normal			Normal				
Comments: Normal response to dazzle is to squint the eyelids closed										
Room Light	Normal	Mydriatic								
Dark room	Mydriatic	Mydriatic					Optic Nerve			
L – nasal & temporal				Absent	Absent Slow		L Eye			
R – nasal & temporal			Normal			Normal				
Comments:										
Room light	Mydriatic	Normal								
Dark room	Mydriatic	Mydriatic					Optic Nerve			
L – nasal & temporal		-		Normal	Normal		R Eye			
R – nasal & temporal			Absent			Absent Slow				
Comments:										
Room light	Mydriatic	Mydriatic								
Dark room	Mydriatic	Mydriatic								
L & R – from nasal to	, and a set	, un					Optic			
temporal			Normal	Normal	Normal	Normal	Chiasm			
L & R- from temporal										
to nasal			Absent Slow	Absent Slow	Absent Slow	Absent Slow				
Comments: 75% of the	e fibers from	the optic ner	ve cross in the o	ptic chiasm, and	d a majority of tho	se fibers originate	from the			
nasal field.		-		-		_				
Room light	Mydriatic	Normal								
Dark room	, Mydriatic	Mydriatic								
L – nasal & temporal				Normal	Absent		R CN 3			
R – nasal & temporal			Absent			Normal				
Comments: Right vent	trolateral stra	abismus may	be present, norn	nal fundic exam	rules out retinal c	lisease.				
Room light	Normal	Mydriatic								
Dark room	Mydriatic	Mydriatic								
L – nasal & temporal				Absent	Normal		L CN 3			
R – nasal & temporal			Normal			Absent				
Comments: Left ventrolateral strabismus may be present, normal fundic exam rules out retinal disease.										
Room light	Normal	Normal								
Dark room	Mydriatic	Mydriatic								
L – temporal to nasal	,	,		Absent	Absent		R Optic			
L – nasal to temporal				Normal	Normal		Tract			
R – temporal to nasal			Normal		1	Normal				
R – nasal to temporal			Absent	-		Absent				
Comments:										
Room light	Normal	Normal								
Dark room	Mydriatic	Mydriatic								
L – temporal to nasal	, di latio	, anatic		Normal	Normal		L Optic			
L – nasal to temporal				Absent	Absent		Tract			
R – temporal to nasal			Absent			Absent				
R – nasal to temporal			Normal			Normal				
Comments:							L			

Light R Pupil at L		Pupil at	Direct PLR		Consensual PLR		Lesion			
Source	Res	st	Rest	R	L	R	L	Lesion		
Room Li	ight	Normal	Normal							
Dark Ro	-	Mydriatic	Mydriatic					Cortical		
L – nasal & t					Normal	Normal		Blindness		
R – nasal & t				Normal			Normal			
Comments:	dazzle ref	lex is intact								
Room Li	ight	Normal	Normal							
Dark Ro	-	Mydriatic	Mydriatic		[]			Iris Atrophy		
L – nasal & t	-				Slow Absent	Slow Absent				
R – nasal & t				Slow Absent			Slow Absent			
Comments:	Dazzle Rei	flex intact, Vis	sual Response	e intact, will usu	ally see holes in	each iris affected	, usually bilateral			
Room Li	ight	Mydriatic	Mydriatic					Diffuse		
Dark Ro		Mydriatic	Mydriatic		_	T	I	Diffuse Retinal		
L – nasal & t					Absent	Absent		Bindness		
R – nasal & t				Absent		1	Absent			
							ation), eyes are of			
dazzle reflex			, test for hyp	eradrenocortici	sm will be temp	orarily positive to	r several months v	with SAKD,		
uazzie reliex	is negativ	e								
Room L		Mydriatic	Mydriatic	-				High		
Dark Ro		Mydriatic	Mydriatic		_			Sympathetic		
L – nasal & t		-			Slow Absent	Slow Absent		Tone		
R – nasal & t				Slow Absent			Slow Absent			
	sinus tach	ycardia is usu	ally present							
Light				Pupillary Ab	normalities			Lesion		
Source										
						, with dynamic an		dysmetric		
Room Light			•			rain edema. In pe	eople, can be	CN3		
	caused by cirrhosis or renal failure. Also known as hippus and pupillary athetosis.									
	Descript							Paralysis/pa raplegia of		
.	Right Eye: "reverse D pupil" = paraplegia lateral RCN3; "D pupil" = paraplegia medial RCN3;Room lightLeft Eye: "reverse D pupil" = paraplegia medial LCN3; "D pupil" = paraplegia lateral LCN3									
Room light	Left Eye:	"reverse D p	oupil" = parap	legia medial LCI	N3; "D pupil" =	paraplegia lateral	LCN3	medial or lateral		
	DDx: Fel	DDx: FeLV infection, trauma, infiltrative disease (mass, infectious, inflammatory)								
								branch CN3		
				different size				-		
.						zed forebrain lesio		Anisocoria		
Room light			m lesion, FeLV infection or other peripheral neuropathy, anywhere along PLR (CN2, optic ptic tract, subcortical forebrain, CN3, iris), anywhere along Horner's Syndrome Pathway ().							
		-			i, anywnere alor	ig Horner's Synar	ome Pathway ().			
	See diso	Horner's Syn								
	Descript	Description: miosis, ptosis, enopthosis, prolapsed 3 rd eyelid; almost never bilateral.								
Room light										
U U	Lesion L	Lesion Localization: brain stem, cervicothoracic spinal cord, thorax, neck, middle ear, inner ear, periorbital tissues, eye, iris								