TABLE 459-4 CLASSIFICATION OF CHARCOT-MARIE-TOOTH DISEASE AND RELATED NEUROPATHIES

Name	Inheritance	Gene Location	Gene Product
CMT1			
CMT1A	AD	17p11.2	PMP-22 (usually duplication of gene)
CMT1B	AD	1q21-23	MPZ
CMT1C	AD	16p13.1-p12.3	LITAF
CMT1D	AD	10q21.1-22.1	ERG2
CMT1E (with deafness)	AD	17p11.2	Point mutations in PMP 22 gene
CMT1F	AD	8p13-21	Neurofilament light chain
CMT1G	AD	14q32.33	INF2
CMT1X	X-linked dominant	Xq13	Connexin-32
HNPP	AD	17p11.2	PMP-22
		1q21-23	MPZ
CMT dominant-intermediate (CMTD1)			
CMTD1A	AD	10q24.1-25.1	?
CMTD1B	AD	19.p12-13.2	Dynamin 2
CMTD1C	AD	1p35	YARS
CMTD1D	AD	1q22	MPZ
CMT2			
CMT2A2 (allelic to HMSN VI with optic atrophy)	AD	1p36.2	MFN2
CMT2B	AD	3q13-q22	RAB7
CMT2B1 (allelic to LGMD 1B)	AR	1q21.2	Lamin A/C
CMT2B2	AR and AD	19q13	MED25 for AR Unknown for AD
CMT2C (with vocal cord and diaphragm paralysis)	AD	12q23-24	TRPV4
CMT2D (allelic to distal SMA5)	AD	7p14	Glycine tRNA synthetase
CMT2E (allelic to CMT 1F)	AD	8p21	Neurofilament light chain
CMT2F	AD	7q11-q21	Heat-shock 27-kDa protein-1
CMT2G	AD	12q23	Unknown
CMT2I (allelic to CMT1B)	AD	1q22	MPZ
CMT2J	AD	1q22	MPZ
CMT2H, CMT2K (allelic to CMT4A)	AD	8q13-q21	GDAP1
CMT2L (allelic to distal hereditary motor neuropathy type 2)	AD	12q24	Heat-shock protein 8
CMT2M	AD	16q22	Dynamin-2
CMT2N	AD	16q22.1	AARS
CMT2O	AD	14q32.31	DYNC1H1
CMT2P	AD	9q34.13	LRSAM1
CMT2P-Okinawa (HSMN2P)	AD	3q13-q14	TFG
CMT2X	X-linked	Xq22-24	PRPS1
CMT3	AD	17p11.2	PMP-22
(Dejerine-Sottas disease, congenital hypomyelinating neuropathy)	AD	1q21-23	MPZ
	AR	10q21.1-22.1	ERG2
	AR	19q13	Periaxon
CMT4			
CMT4A	AR	8q13-21.1	GDAP1
CMT4B1	AR	11q23	MTMR2
CMT4B2	AR	11p15	MTMR13
CMT4C	AR	5q23-33	SH3TC2
CMT4D (HMSN-Lom)	AR	8q24	NDRG1
CMT4E (congenital hypomyelinating neuropathy)	AR	Multiple	Includes PMP22, MPZ, and ERG-2
CMT4F	AR	19q13.1-13.3	Periaxin
CMT4G	AR	10q23.2	HKI
CMT4H	AR	12q12-q13	Frabin
CMT4J	AR	6q21	FIG4
HNA	AD	17q24	SEPT9
HSAN1A	AD	9q22	SPTLC1
HSAN1B	AD	3q21	RAB7
HSAN1C	AD	14q24.3	SPTLC2
HSAN1D	AD	14q21.3	ATL1
HSAN1E	AD	19p13.2	DNMT1

(*Continued*)