

Title: Central Core Disease *GeneReview*; Table 4

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Note: The following information is provided by the author(s) listed above and has not been reviewed by GeneReviews staff.

Table 4. Common Pathogenic Amino Acid Variants in *RYR1* Associated with Autosomal Dominant CCD

Amino Acid Change	Exon	Reference
p.R4861C	101	Davis et al 2003
p.R2508C	47	Wu et al 2006
p.L4793P, p.R4825C	100	
p.R4861H	101	
p.R4893W, p.G4899E,	102	Monnier et al 2001
p.R4914G		
p.R2163C, p.R2163H,	38	Manning et al 1998
p.V2168M	40	
p.T2206M		

References

Davis MR, Haan E, Jungbluth H, Sewry C, North K, Muntoni F, Kuntzer T, Lamont P, Bankier A, Tomlinson P, Sanchez A, Walsh P, Nagarajan L, Oley C, Colley A, Gedeon A, Quinlivan R, Dixon J, James D, Muller CR, Laing NG (2003) Principal mutation hotspot for central core disease and related myopathies in the C-terminal transmembrane region of the *RYR1* gene. *Neuromuscul Disord* 13:151-7

Manning BM, Quane KA, Ording H, Urwyler A, Tegazzin V, Lehane M, et al (1998) Identification of novel mutations in the ryanodine-receptor gene (*RYR1*) in malignant hyperthermia: genotype-phenotype correlation. *Am J Hum Genet* 62:599-609

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