Suppl 3. List of studies included in the review

First Author & Year; Country	Title
Akinrinade 2015; Finland	Genetics and genotype-phenotype correlations in Finnish patients with dilated cardiomyopathy
Alimohamed 2021; Netherlands	Diagnostic yield of targeted next generation sequencing in 2002 Dutch cardiomyopathy patients
Anderson 2020; USA	Discovery of TITIN Gene Truncating Variant Mutations and 5-Year Outcomes in Patients With Nonischemic Dilated Cardiomyopathy
Aragam 2021; UK	Combined assessments of monogenic and polygenic risk for dilated cardiomyopathy
Cannata 2020; Multinational; USA, UK, Italy	The late-onset dilated cardiomyopathy
Cannata 2022; Multinational; Italy, USA, Australia, UK	Association of Titin Variations with Late-Onset Dilated Cardiomyopathy
Cannie 2020; UK	The influence of age on the diagnostic yield of genetic testing in dilated cardiomyopathy
Chami 2014; Canada	Nonsense Mutations in BAG3 are Associated With Early-Onset Dilated Cardiomyopathy in French Canadians
Daehmlow 2002; Germany	Novel mutations in sarcomeric protein genes in dilated cardiomyopathy
Dal Ferro 2017; Italy	Association between mutation status and left ventricular reverse remodelling in dilated cardiomyopathy
Dalin 2017; Sweden	Massive parallel sequencing questions the pathogenic role of missense variants in dilated cardiomyopathy
Escobar-Lopez 2021; Spain	Association of Genetic Variants With Outcomes in Patients With Nonischemic Dilated Cardiomyopathy
Fatkin 2016; Multinational; Australia, USA, UK	Titin truncating mutations: A rare cause of dilated cardiomyopathy in the young
Franaszczyk 2017; Poland	Titin truncating variants in dilated cardiomyopathy - Prevalence and genotype-phenotype correlations
Gigli 2019; Multinational; Italy, USA	Genetic Risk of Arrhythmic Phenotypes in Patients With Dilated Cardiomyopathy
Haas 2015; Multinational; Denmark, Sweden, France, Italy, Germany, UK, Netherlands, Spain	Atlas of the clinical genetics of human dilated cardiomyopathy
Haggerty 2019; USA	Genomics-First Evaluation of Heart Disease Associated With Titin-Truncating Variants
Hazebroek 2018; Netherlands	Prevalence of Pathogenic Gene Mutations and Prognosis Do Not Differ in Isolated Left Ventricular Dysfunction Compared With Dilated Cardiomyopathy
Helio 2020; Multinational; 18 European countries	ESC EORP Cardiomyopathy Registry: real-life practice of genetic counselling and testing in adult cardiomyopathy patients
Herkert 2020; Netherlands	Utility of genetics for risk stratification in paediatric dilated cardiomyopathy
Herman 2012; UK	Truncations of Titin Causing Dilated Cardiomyopathy
Hershberger 2008; USA	Coding sequence mutations identified in MYH7, TNNT2, SCN5A, CSRP3, LBD3, and TCAP from 313 patients with familial or idiopathic dilated cardiomyopathy.
Janin 2017; France	Truncating mutations on myofibrillar myopathies causing genes as prevalent molecular explanations on patients with dilated cardiomyopathy
Kindel 2012; USA	Pediatric cardiomyopathy: Importance of genetic and metabolic evaluation
Klauke 2017; Germany	High proportion of genetic cases in patients with advanced cardiomyopathy including a novel homozygous Plakophilin 2-gene mutation.
Lakdawala 2012; USA	Genetic Testing for Dilated Cardiomyopathy in Clinical Practice
Lemenager 2020; French Guiana	Aetiological and morphological spectrum of cardiomyopathies in French Guiana: A retrospective study
Mazzarotto 2020; Multinational; UK, Singapore	Reevaluating the Genetic Contribution of Monogenic Dilated Cardiomyopathy
Millat 2011; France	Clinical and mutational spectrum in a cohort of 105 unrelated patients with dilated cardiomyopathy
Nguyen 2021; Vietnam	Genetic determinants and genotype-phenotype correlations in vietnamese patients with dilated cardiomyopathy
Parrott 2020; USA	Investigation of de novo variation in pediatric cardiomyopathy
Pena-Pena 2020; Spain	Prognostic implications of pathogenic truncating variants in the TTN gene
Pugh 2014; USA	The landscape of genetic variation in dilated cardiomyopathy as surveyed by clinical DNA sequencing
Ramchand 2020; Australia	Prospective Evaluation of the Utility of Whole Exome Sequencing in Dilated Cardiomyopathy
Roberts 2015; USA	Integrated allelic, transcriptional, and phenomic dissection of the cardiac effects of titin truncations in health and disease
Shah 2022; UK	Frequency, Penetrance, and Variable Expressivity of Dilated Cardiomyopathy-Associated Putative Pathogenic Gene Variants in UK Biobank Participants
Shen 2022; China	Genetic variants in Chinese patients with sporadic dilated cardiomyopathy: a cross-sectional study
Shimizu 2005; Japan	Gene mutations in adult Japanese patients with dilated cardiomyopathy
Sousa 2019; Portugal	Molecular characterization of Portuguese patients with dilated cardiomyopathy
Stava 2022; Norway	Molecular genetics in 4 408 cardiomyopathy probands and 3 008 relatives in Norway: 17 years of genetic testing in a national laboratory
Stroeks 2021; Netherlands	Clinical impact of re-evaluating genes and variants implicated in dilated cardiomyopathy
Tayal 2017; UK	Phenotype and Clinical Outcomes of Titin Cardiomyopathy
Tobita 2018; Japan	Genetic basis of cardiomyopathy and the genotypes involved in prognosis and left ventricular reverse re modeling
Trachoo 2022; Thailand	Molecular genetic testing for hypertrophic and dilated cardiomyopathy in inherited cardiovascular condition genetics service: lessons from a Thai cohort
Van Leeuw 2020; Belgium	Prevalence and nature of genetic mutations identified in patients with cardiac diseases referred to a specialised consultation
Van Spaendonck-Zwarts 2013; Netherlands	Genetic analysis in 418 index patients with idiopathic dilated cardiomyopathy: Overview of 10 years' experience
Verdonschot 2020; Netherlands	Implications of genetic testing in dilated cardiomyopathy
Villard 2005; France	Mutation screening in dilated cardiomyopathy: prominent role of the beta myosin heavy chain gene
Vissing 2021; Denmark	Family screening in dilated cardiomyopathy; long-term incidence and potential for limiting follow-up
Waldmller 2011; Germany	Novel correlations between the genotype and the phenotype of hypertrophic and dilated cardiomyopathy: Results from the German Competence Network Heart Failure
Walsh 2016; UK	Reassessment of Mendelian gene pathogenicity using 7,855 cardiomyopathy cases and 60,706 reference samples
Wang 2022; China	Next-Generation Sequencing Reveals Novel Genetic Variants for Dilated Cardiomyopathy in Pediatric Chinese Patients
Ware 2018; Multinational; Spain, UK	Genetic Etiology for Alcohol-Induced Cardiac Toxicity
Xiao 2022; China	Whole-exome sequencing reveals genetic risks of early-onset sporadic dilated cardiomyopathy in the Chinese Han population
Zaklyazminskaya 2019; Russia	Low mutation rate in the TTN gene in paediatric patients with dilated cardiomyopathy - a pilot study
Zhang 2020; China	Genetic basis and genotype-phenotype correlations in Han Chinese patients with idiopathic dilated cardiomyopathy
Zhao 2015; China	Targeted next-generation sequencing of candidate genes reveals novel mutations in patients with dilated cardiomyopathy

Abbreviations – UK: United Kingdom; USA: United States of America.