



SADS Foundation Quarterly Literature Review

January –March 2010

Acquired Long QT Syndrome

[The continuing evolution of torsades de pointes liability testing methods: is there an end in sight?](#)

Lee N, Authier S, Pugsley MK, Curtis MJ.

Toxicol Appl Pharmacol. 2010 Mar 1;243(2):146-53. Epub 2009 Dec 18. Review.

PMID: 20005885 [PubMed - indexed for MEDLINE]

[Related articles](#)

[The effect of oral methadone on the QTc interval in advanced cancer patients: a prospective pilot study.](#)

Reddy S, Hui D, El Osta B, de la Cruz M, Walker P, Palmer JL, Bruera E.

J Palliat Med. 2010 Jan;13(1):33-8.

PMID: 19824814 [PubMed - indexed for MEDLINE]

[Related articles](#)

Automatic External Defibrillator

[Chest compressions cause recurrence of ventricular fibrillation after the first successful conversion by defibrillation in out-of-hospital cardiac arrest.](#)

Berdowski J, Tijssen JG, Koster RW.

Circ Arrhythm Electrophysiol. 2010 Feb 1;3(1):72-8. Epub 2009 Dec 30.

PMID: 20042768 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Assessment of the impedance cardiogram recorded by an automated external defibrillator during clinical cardiac arrest.](#)

Cromie NA, Allen JD, Navarro C, Turner C, Anderson JM, Adgey AA.

Crit Care Med. 2010 Feb;38(2):510-7.

PMID: 19864942 [PubMed - indexed for MEDLINE]

[Related articles](#)

ARVD/ARVC

[Intracardiac echocardiography and electroanatomic mapping in diagnosis of arrhythmogenic right ventricular dysplasia.](#)

Ficili S, Pandozi C, Russo M, Dottori S, Cina A, Natale L, Lavallo C, Galeazzi M, Santini M.

J Cardiovasc Med (Hagerstown). 2010 Jan;11(1):59-60.

PMID: 19786888 [PubMed - indexed for MEDLINE]

[Related articles](#)

Brugada Syndrome

[Local depolarization abnormalities are the dominant pathophysiologic mechanism for type 1 electrocardiogram in brugada syndrome a study of electrocardiograms, vectorcardiograms, and body surface potential maps during ajmaline provocation.](#)

Postema PG, van Dessel PF, Kors JA, Linnenbank AC, van Herpen G, Ritsema van Eck HJ, van Geloven N, de Bakker JM, Wilde AA, Tan HL.

J Am Coll Cardiol. 2010 Feb 23;55(8):789-97.

PMID: 20170818 [PubMed - indexed for MEDLINE]

[Related articles](#)

Cardiomyopathy

[Cardiomyopathies in propionic aciduria are reversible after liver transplantation.](#)

Romano S, Valayannopoulos V, Touati G, Jais JP, Rabier D, de Keyzer Y, Bonnet D, de Lonlay P.

J Pediatr. 2010 Jan;156(1):128-34. Epub .

PMID: 19818452 [PubMed - indexed for MEDLINE]

[Related articles](#)

Supporting Families. Saving Lives.

508 E. So. Temple, Suite 202 • Salt Lake City, UT 84102 • 800.796.7723 • 801.531.0937 • fax 801.531.0945 • www.sads.org

Dilated Cardiomyopathy

[Could dilated cardiomyopathy alter the peripheral microcirculation and blood rheology?](#)

Cicco G, Fanelli V, Cicco S, Iacoviello M, Favale S.
Adv Exp Med Biol. 2010;662:41-7.
PMID: 20204769 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Dilated cardiomyopathy.](#)

Jefferies JL, Towbin JA.
Lancet. 2010 Feb 27;375(9716):752-62.
PMID: 20189027 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Tropomyosin and dilated cardiomyopathy: revenge of the actinomyosin "gatekeeper".](#)

Tardiff JC.
J Am Coll Cardiol. 2010 Jan 26;55(4):330-2. No abstract available.
PMID: 20117438 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Familial dilated cardiomyopathy caused by an alpha-tropomyosin mutation: the distinctive natural history of sarcomeric dilated cardiomyopathy.](#)

Lakdawala NK, Dellefave L, Redwood CS, Sparks E, Cirino AL, Depalma S, Colan SD, Funke B, Zimmerman RS, Robinson P, Watkins H, Seidman CE, Seidman JG, McNally EM, Ho CY.
J Am Coll Cardiol. 2010 Jan 26;55(4):320-9.
PMID: 20117437 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Heart transplantation in women with dilated cardiomyopathy.](#)

Regitz-Zagrosek V, Petrov G, Lehmkuhl E, Smits JM, Babitsch B, Brunhuber C, Jurmann B, Stein J, Schubert C, Merz NB, Lehmkuhl HB, Hetzer R.
Transplantation. 2010 Jan 27;89(2):236-44.
PMID: 20098289 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Molecular and functional characterization of a novel cardiac-specific human tropomyosin isoform.](#)

Rajan S, Jagatheesan G, Karam CN, Alves ML, Bodi I, Schwartz A, Bulcao CF, D'Souza KM, Akhter SA, Boivin GP, Dube DK, Petrashevskaya N, Herr AB, Hullin R, Liggett SB, Wolska BM, Solaro RJ, Wiczorek DF.
Circulation. 2010 Jan 26;121(3):410-8. Epub 2010 Jan 11.
PMID: 20065163 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Genomic and proteomic analysis of myocarditis and dilated cardiomyopathy.](#)

Cooper LT Jr, Onuma OK, Sagar S, Oberg AL, Mahoney DW, Asmann YW, Liu P.
Heart Fail Clin. 2010 Jan;6(1):75-85. Review.
PMID: 19945063 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Antioxidant amelioration of dilated cardiomyopathy caused by conditional deletion of NEMO/IKKgamma in cardiomyocytes.](#)

Kratsios P, Huth M, Temmerman L, Salimova E, Al Banchaabouchi M, Sgoifo A, Manghi M, Suzuki K, Rosenthal N, Mourkioti F.
Circ Res. 2010 Jan 8;106(1):133-44. Epub 2009 Oct 22.
PMID: 19850942 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Role of autoimmunity in dilated cardiomyopathy.](#)

Kaya Z, Katus HA.
Basic Res Cardiol. 2010 Jan;105(1):7-8. No abstract available.
PMID: 19826854 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Humoral anti-proteasomal autoimmunity in dilated cardiomyopathy.](#)

Voigt A, Bartel K, Egerer K, Trimpert C, Feist E, Gericke C, Kandolf R, Klingel K, Kuckelkorn U, Stangl K, Felix SB, Baumann G, Kloetzel PM, Staudt A.
Basic Res Cardiol. 2010 Jan;105(1):9-18.
PMID: 19760349 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Protein degradation systems in viral myocarditis leading to dilated cardiomyopathy.](#)

Luo H, Wong J, Wong B.
Cardiovasc Res. 2010 Jan 15;85(2):347-56. Epub 2009 Jul 3. Review.
PMID: 19578074 [PubMed - indexed for MEDLINE]

[Related articles](#)

Hypertrophic Cardiomyopathy

[Characteristics and clinical significance of late gadolinium enhancement by contrast-enhanced magnetic resonance imaging in patients with hypertrophic cardiomyopathy.](#)

Rubinshtein R, Glockner JF, Ommen SR, Araoz PA, Ackerman MJ, Sorajja P, Bos JM, Tajik AJ, Valeti US, Nishimura RA, Gersh BJ.
Circ Heart Fail. 2010 Jan;3(1):51-8. Epub 2009 Oct 22.
PMID: 19850699 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Obtaining insurance after DNA diagnostics: a survey among hypertrophic cardiomyopathy mutation carriers.](#)

Christiaans I, Kok TM, van Langen IM, Birnie E, Bonsel GJ, Wilde AA, Smets EM.
Eur J Hum Genet. 2010 Feb;18(2):251-3. Epub 2009 Aug 12.
PMID: 19672285 [PubMed - indexed for MEDLINE]

[Related articles](#)

HCM/DCM

[Comparison of right ventricular functional response to exercise in hypertrophic versus idiopathic dilated cardiomyopathy.](#)

Plehn G, Vormbrock J, Perings S, Plehn A, Meissner A, Butz T, Trappe HJ.
Am J Cardiol. 2010 Jan 1;105(1):116-21. Epub 2009 Nov 18.
PMID: 20102902 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Actin in action and inaction: the differential effects of hypertrophic and dilated cardiomyopathy actin mutations on thin filament regulation.](#)

Greenberg MJ, Moore JR.
J Mol Cell Cardiol. 2010 Feb;48(2):277-8. Epub 2009 Oct 29. No abstract available.
PMID: 19879279 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Human actin mutations associated with hypertrophic and dilated cardiomyopathies demonstrate distinct thin filament regulatory properties in vitro.](#)

Debold EP, Saber W, Cheema Y, Bookwalter CS, Trybus KM, Warshaw DM, Vanburen P.
J Mol Cell Cardiol. 2010 Feb;48(2):286-92. Epub 2009 Sep 30.
PMID: 19799913 [PubMed - indexed for MEDLINE]

[Related articles](#)

Implanted Cardio Defibrillator

[Time-dependent risk of Fidelis lead failure.](#)

Faulkner BA, Traub DM, Aktas MK, Aguila A, Rosero S, Daubert JP, Hall B, Shah A, Taylor S, McNitt S, Moss AJ, Zareba W, Huang DT.
Am J Cardiol. 2010 Jan 1;105(1):95-9.
PMID: 20102898 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Clinical and technical determinants of long-term performance of coronary sinus leads.](#)

La Rocca V, Bertaglia E, Solimene F, Accogli M, Iuliano A, Marrazzo N, De Luca De Masi G, Scaccia A, Donnici G, Chiariello P, Turco P, De Simone A, Ciardiello C, Stabile G.
J Cardiovasc Med (Hagerstown). 2010 Jan;11(1):40-4.
PMID: 19770774 [PubMed - indexed for MEDLINE]

[Related articles](#)

Long QT Syndrome

[A case of torsades de pointes induced by severe QT prolongation after an overdose of eperisone and triazolam in a patient receiving nifedipine.](#)

Yamagiwa T, Amino M, Morita S, Yamamoto R, Saito T, Inokuchi S.
Clin Toxicol (Phila). 2010 Feb;48(2):149-52.
PMID: 20199131 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Prevention of torsade de pointes in hospital settings: a scientific statement from the American Heart Association and the American College of Cardiology Foundation.](#)

Drew BJ, Ackerman MJ, Funk M, Gibler WB, Kligfield P, Menon V, Philippides GJ, Roden DM, Zareba W; American Heart Association Acute Cardiac Care Committee of the Council on Clinical Cardiology; Council on Cardiovascular Nursing; American College of Cardiology Foundation.
J Am Coll Cardiol. 2010 Mar 2;55(9):934-47. Review. No abstract available.
PMID: 20185054 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Risk of fatal arrhythmic events in long QT syndrome patients after syncope.](#)

Jons C, Moss AJ, Goldenberg I, Liu J, McNitt S, Zareba W, Qi M, Robinson JL.
J Am Coll Cardiol. 2010 Feb 23;55(8):783-8.
PMID: 20170817 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Mutation-specific risk in two genetic forms of type 3 long QT syndrome.](#)

Liu JF, Moss AJ, Jons C, Benhorin J, Schwartz PJ, Spazzolini C, Crotti L, Ackerman MJ, McNitt S, Robinson JL, Qi M, Goldenberg I, Zareba W.
Am J Cardiol. 2010 Jan 15;105(2):210-3.
PMID: 20102920 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Influence of diabetes mellitus on outcome in patients over 40 years of age with the long QT syndrome.](#)

Ouellet G, Moss AJ, Jons C, McNitt S, Mullally J, Fugate T, Goldenberg I, Zareba W, Robinson JL; Investigators from the U.S. Portion of the International Long QT Syndrome Registry.
Am J Cardiol. 2010 Jan 1;105(1):87-9. Epub 2009 Oct 23.
PMID: 20102896 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Termination of drug-induced torsades de pointes with overdrive pacing.](#)

Charlton NP, Lawrence DT, Brady WJ, Kirk MA, Holstege CP.
Am J Emerg Med. 2010 Jan;28(1):95-102.
PMID: 20006210 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Clinical characteristics and genetic background of congenital long-QT syndrome diagnosed in fetal, neonatal, and infantile life: a nationwide questionnaire survey in Japan.](#)

Horigome H, Nagashima M, Sumitomo N, Yoshinaga M, Ushinohama H, Iwamoto M, Shiono J, Ichihashi K, Hasegawa S, Yoshikawa T, Matsunaga T, Goto H, Waki K, Arima M, Takasugi H, Tanaka Y, Tauchi N, Ikoma M, Inamura N, Takahashi H, Shimizu W, Horie M.
Circ Arrhythm Electrophysiol. 2010 Feb 1;3(1):10-7. Epub 2009 Dec 8.
PMID: 19996378 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Electrocardiogram screening of infants for long QT syndrome: survey of pediatric cardiologists in North America.](#)

Chang RK, Rodriguez S, Gurvitz MZ
J Electrocardiol. 2010 Jan-Feb;43(1):4-7. Epub .
PMID: 19665725 [PubMed - indexed for MEDLINE]

[Related citations](#)

[Mutation-specific risk in two genetic forms of type 3 long QT syndrome.](#)

Liu JF, Moss AJ, Jons C, Benhorin J, Schwartz PJ, Spazzolini C, Crotti L, Ackerman MJ, McNitt S, Robinson JL, Qi M, Goldenberg I, Zareba W
Am J Cardiol. 2010 Jan 15;105(2):210-3.
PMID: 20102920 [PubMed - indexed for MEDLINE]

Related citations

[Long QT syndrome in African-Americans.](#)

Fugate T 2nd, Moss AJ, Jons C, McNitt S, Mullally J, Ouellet G, Goldenberg I, Zareba W, Robinson JL; U.S. portion of International Long QT Syndrome Registry Investigators.
Ann Noninvasive Electrocardiol. 2010 Jan;15(1):73-6.
PMID: 20146785 [PubMed - in process]

[Related citations](#)

Miscellaneous

[Genetic variation in SCN10A influences cardiac conduction.](#)

Chambers JC, Zhao J, Terracciano CM, Bezzina CR, Zhang W, Kaba R, Navaratnarajah M, Lotlikar A, Sehmi JS, Kooner MK, Deng G, Siedlecka U, Parasramka S, El-Hamamsy I, Wass MN, Dekker LR, de Jong JS, Sternberg MJ, McKenna W, Severs NJ, de Silva R, Wilde AA, Anand P, Yacoub M, Scott J, Elliott P, Wood JN, Kooner JS.
Nat Genet. 2010 Feb;42(2):149-52. Epub 2010 Jan 10.
PMID: 20062061 [PubMed - indexed for MEDLINE]

[Related articles](#)

[A case of mexiletine-induced hypersensitivity syndrome presenting as eosinophilic pneumonia.](#)

Lee SP, Kim SH, Kim TH, Sohn JW, Shin DH, Park SS, Yoon HJ.
J Korean Med Sci. 2010 Jan;25(1):148-51. Epub 2009 Dec 29.
PMID: 20052362 [PubMed - indexed for MEDLINE]

Related articles Free article

[Sex differences in arrhythmias.](#)

Rivero A, Curtis AB.
Curr Opin Cardiol. 2010 Jan;25(1):8-15. Review.
PMID: 19940767 [PubMed - indexed for MEDLINE]

[Related articles](#)

[When is genetic testing useful in patients suspected to have inherited cardiac arrhythmias?](#)

Fowler SJ, Napolitano C, Priori SG.
Curr Opin Cardiol. 2010 Jan;25(1):37-45. Review.
PMID: 19864943 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Current controversies in the cardiovascular screening of athletes.](#)

Drezner J, Berger S, Campbell R
Curr Sports Med Rep. 2010 Mar-Apr;9(2):86-92.
PMID: 20220349 [PubMed - in process]

Related citations

[Cardiovascular screening in college athletes with and without electrocardiography: A cross-sectional study.](#)

Baggish AL, Hutter AM Jr, Wang F, Yared K, Weiner RB, Kupperman E, Picard MH, Wood MJ.
Ann Intern Med. 2010 Mar 2;152(5):269-75
PMID: 20194232 [PubMed - indexed for MEDLINE]

[Related citations](#)

[Addition of the electrocardiogram to the preparticipation examination of college athletes.](#)

Le VV, Wheeler MT, Mandic S, Dewey F, Fonda H, Perez M, Sungar G, Garza D, Ashley EA, Matheson G, Froelicher V.
Clin J Sport Med. 2010 Mar;20(2):98-105.

PMID: 20215891 [PubMed - in process]

[Related citations](#)

Sudden Cardiac Death

[Sudden death in the young: what do we know about it and how to prevent?](#)

van der Werf C, van Langen IM, Wilde AA.

Circ Arrhythm Electrophysiol. 2010 Feb 1;3(1):96-104. No abstract available.

PMID: 20160177 [PubMed - indexed for MEDLINE]

[Related articles](#)

[Cost-effectiveness of preparticipation screening for prevention of sudden cardiac death in young athletes.](#)

Wheeler MT, Heidenreich PA, Froelicher VF, Hlatky MA, Ashley EA.

Ann Intern Med. 2010 Mar 2;152(5):276-86.

PMID: 20194233 [PubMed - indexed for MEDLINE]

[Related citations](#)