



# SADS Foundation Quarterly Literature Review

October – December 2005

## Automatic External Defibrillators

[Bar-Cohen Y, Walsh EP, Love BA, Cecchin F.](#)

First appropriate use of automated external defibrillator in an infant.

Resuscitation. 2005 Oct;67(1):135-7.

PMID: 16146668 [PubMed - indexed for MEDLINE]

## Arrhythmia, general

[Halstead JR, Jalink K, Divecha N.](#)

An emerging role for PtdIns(4,5)P<sub>2</sub>-mediated signaling in human disease.

Trends Pharmacol Sci. 2005 Dec;26(12):654-60. Epub 2005 Oct 25. Review.

PMID: 16253350 [PubMed - indexed for MEDLINE]

[Khadra L, Al-Fahoum AS, Binajaj S.](#)

A quantitative analysis approach for cardiac arrhythmia classification using higher order spectral techniques.

IEEE Trans Biomed Eng. 2005 Nov;52(11):1840-5.

PMID: 16285387 [PubMed - indexed for MEDLINE]

[Kocic I.](#)

Modulators of ion channels activated by hypotonic swelling in cardiomyocytes: new perspectives for pharmacological treatment of life-threatening arrhythmias.

Curr Med Chem Cardiovasc Hematol Agents. 2005 Oct;3(4):333-9. Review.

PMID: 16250864 [PubMed - indexed for MEDLINE]

[Laer S, Elshoff JP, Meibohm B, Weil J, Mir TS, Zhang W, Hulpke-Wette M.](#)

Development of a safe and effective pediatric dosing regimen for sotalol based on population pharmacokinetics and pharmacodynamics in children with supraventricular tachycardia.

J Am Coll Cardiol. 2005 Oct 4;46(7):1322-30.

PMID: 16198851 [PubMed - indexed for MEDLINE]

[Priori SG, Napolitano C.](#)

Intracellular calcium handling dysfunction and arrhythmogenesis: a new challenge for the electrophysiologist.

Circ Res. 2005 Nov 25;97(11):1077-9. No abstract available.

PMID: 16306448 [PubMed - indexed for MEDLINE]

[Viskin S, Antzelevitch C.](#)

The cardiologists' worst nightmare sudden death from "benign" ventricular arrhythmias.

J Am Coll Cardiol. 2005 Oct 4;46(7):1295-7. No abstract available.

PMID: 16198846 [PubMed - indexed for MEDLINE]

[Wilde AA, Bezzina CR.](#)

Genetics of cardiac arrhythmias.

Heart. 2005 Oct;91(10):1352-8. Review. No abstract available.

PMID: 16162633 [PubMed - indexed for MEDLINE]

## ARVD

[Karagoz T, Ozer S, Talim B.](#)

Arrhythmogenic right ventricular dysplasia presenting with severe right heart failure leading to abdominal ascites in a child.

Acta Cardiol. 2005 Oct;60(5):546-50.

PMID: 16261788 [PubMed - indexed for MEDLINE]

[Piccini JP, Dalal D, Roguin A, Bomma C, Cheng A, Prakasa K, Dong J, Tichnell C, James C, Russell S, Crosson J, Berger RD, Marine JE, Tomaselli G, Calkins H.](#)

Predictors of appropriate implantable defibrillator therapies in patients with arrhythmogenic right ventricular dysplasia.

Heart Rhythm. 2005 Nov;2(11):1188-94.

PMID: 16253908 [PubMed - indexed for MEDLINE]

## Brugada Syndrome

[Ikeda T, Takami M, Sugi K, Mizusawa Y, Sakurada H, Yoshino H.](#)

Noninvasive risk stratification of subjects with a Brugada-type electrocardiogram and no history of cardiac arrest.

Ann Noninvasive Electrocardiol. 2005 Oct;10(4):396-403.

PMID: 16255748 [PubMed - indexed for MEDLINE]

[Marquez MF, Salica G, Hermosillo AG, Pastelin G, Cardenas M.](#)

Drug therapy in Brugada syndrome.

Curr Drug Targets Cardiovasc Haematol Disord. 2005 Oct;5(5):409-17. Review.

PMID: 16248833 [PubMed - indexed for MEDLINE]

## Dilated Cardiomyopathy

[\[No authors listed\]](#)

Checks recommended for relatives of people with idiopathic dilated cardiomyopathy.

Harv Heart Lett. 2005 Oct;16(2):7. No abstract available.

PMID: 16299907 [PubMed - indexed for MEDLINE]

[Baumert M, Baier V, Truebner S, Schirdewan A, Voss A.](#)

Short- and long-term joint symbolic dynamics of heart rate and blood pressure in dilated cardiomyopathy.

IEEE Trans Biomed Eng. 2005 Dec;52(12):2112-5.

PMID: 16366235 [PubMed - indexed for MEDLINE]

[Chang AN, Harada K, Ackerman MJ, Potter JD.](#)

Functional consequences of hypertrophic and dilated cardiomyopathy-causing mutations in alpha-tropomyosin.

J Biol Chem. 2005 Oct 7;280(40):34343-9. Epub 2005 Jul 25.

PMID: 16043485 [PubMed - indexed for MEDLINE]

[Lin YJ, Liang CD, Ko SF, Huang CF, Chang JP.](#)

Left main coronary artery atresia masquerading as dilated cardiomyopathy treated with aortic reimplantation.

J Thorac Cardiovasc Surg. 2005 Oct;130(4):1210-1. Review. No abstract available.

PMID: 16214547 [PubMed - indexed for MEDLINE]

[Otasevic P, Popovic Z, Pratali L, Vlahovic A, Vasiljevic JD, Neskovic AN.](#)

Right vs. left ventricular contractile reserve in one-year prognosis of patients with idiopathic dilated cardiomyopathy: assessment by dobutamine stress echocardiography.

Eur J Echocardiogr. 2005 Dec;6(6):429-34. Epub 2005 Mar 31.

PMID: 16293529 [PubMed - indexed for MEDLINE]

[Patrianakos AP, Parthenakis FI, Mavrakis HE, Diakakis GF, Chlouverakis GI, Vardas PE.](#)

Comparative efficacy of nebivolol versus carvedilol on left ventricular function and exercise capacity in patients with nonischemic dilated cardiomyopathy. A 12-month study.

Am Heart J. 2005 Nov;150(5):985.

PMID: 16290981 [PubMed - indexed for MEDLINE]

[Schimke I, Muller J, Dandel M, Gremmels HD, Bayer W, Wallukat B, Wallukat G, Hetzer R.](#)

Reduced oxidative stress in parallel to improved cardiac performance one year after selective removal of anti-beta 1-adrenoreceptor autoantibodies in patients with idiopathic dilated cardiomyopathy: data of a preliminary study.

J Clin Apher. 2005 Oct;20(3):137-42.

PMID: 15892087 [PubMed - indexed for MEDLINE]

[Schoppet M, Ruppert V, Hofbauer LC, Henser S, Al-Fakhri N, Christ M, Pankuweit S, Maisch B.](#)

TNF-related apoptosis-inducing ligand and its decoy receptor osteoprotegerin in nonischemic dilated cardiomyopathy.

Biochem Biophys Res Commun. 2005 Dec 30;338(4):1745-50. Epub 2005 Nov 2.

PMID: 16288714 [PubMed - indexed for MEDLINE]

[Staudt A, Dorr M, Staudt Y, Bohm M, Probst M, Empen K, Plotz S, Maschke HE, Hummel A, Baumann G, Felix SB.](#)

Role of immunoglobulin G3 subclass in dilated cardiomyopathy: results from protein A immunoadsorption.

Am Heart J. 2005 Oct;150(4):729-36.

PMID: 16209975 [PubMed - indexed for MEDLINE]

## Hypertrophic Cardiomyopathy

[Ackerman MJ, Van Driest SL, Bos M.](#)

Are longitudinal, natural history studies the next step in genotype-phenotype translational genomics in hypertrophic cardiomyopathy?

J Am Coll Cardiol. 2005 Nov 1;46(9):1744-6. Epub 2005 Oct 10. No abstract available.

PMID: 16256879 [PubMed - indexed for MEDLINE]

[Chang AN, Harada K, Ackerman MJ, Potter JD.](#)

Functional consequences of hypertrophic and dilated cardiomyopathy-causing mutations in alpha-tropomyosin.

J Biol Chem. 2005 Oct 7;280(40):34343-9. Epub 2005 Jul 25.

PMID: 16043485 [PubMed - indexed for MEDLINE]

## Internal Cardiac Defibrillators

[Berenbom LD, Weiford BC, Vacek JL, Emert MP, Hall WJ, Andrews ML, McNitt S, Zareba W, Moss AJ.](#)

Differences in outcomes between patients treated with single- versus dual-chamber implantable cardioverter defibrillators: a substudy of the Multicenter Automatic Defibrillator Implantation Trial II.

Ann Noninvasive Electrocardiol. 2005 Oct;10(4):429-35.

PMID: 16255753 [PubMed - indexed for MEDLINE]

[Dubner S, Valero E, Pesce R, Zuelgaray JG, Mateos JC, Filho SG, Reyes W, Garillo R.](#)  
A Latin American registry of implantable cardioverter defibrillators: the ICD-LABOR study.

Ann Noninvasive Electrocardiol. 2005 Oct;10(4):420-8.

PMID: 16255752 [PubMed - indexed for MEDLINE]

[Sanders GD, Hlatky MA, Owens DK.](#)

Cost-effectiveness of implantable cardioverter-defibrillators.

N Engl J Med. 2005 Oct 6;353(14):1471-80.

PMID: 16207849 [PubMed - indexed for MEDLINE]

## Long QT Syndrome

[Ahmed MF, Elseed AI.](#)

The medical management and dental implications of long QT syndrome.

Dent Update. 2005 Oct;32(8):472-4. Review.

PMID: 16262035 [PubMed - indexed for MEDLINE]

[Friedlander Y, Vatta M, Sotoodehnia N, Sinnreich R, Li H, Manor O, Towbin JA, Siscovick DS, Kark JD.](#)

Possible association of the human KCNE1 (minK) gene and QT interval in healthy subjects: evidence from association and linkage analyses in Israeli families.

Ann Hum Genet. 2005 Nov;69(Pt 6):645-56.

PMID: 16266404 [PubMed - indexed for MEDLINE]

[Grunnet M, Behr ER, Calloe K, Hofman-Bang J, Till J, Christiansen M, McKenna WJ, Olesen SP, Schmitt N.](#)

Functional assessment of compound mutations in the KCNQ1 and KCNH2 genes associated with long QT syndrome.

Heart Rhythm. 2005 Nov;2(11):1238-49.

PMID: 16253915 [PubMed - indexed for MEDLINE]

[Guntheroth W, Spiers P.](#)

Long QT syndrome and sudden infant death syndrome.

Am J Cardiol. 2005 Oct 1;96(7):1034. No abstract available.

PMID: 16188540 [PubMed - indexed for MEDLINE]

[Kaufman ES.](#)

Efficient genotyping for congenital long QT syndrome.

JAMA. 2005 Dec 21;294(23):3027-8. No abstract available.

PMID: 16414952 [PubMed - indexed for MEDLINE]

[Katz RI.](#)

Some points regarding anesthesia for patients with congenital long QT syndrome.

Anesthesiology. 2005 Dec;103(6):1315-6; author reply 1316-7. No abstract available.

PMID: 16306750 [PubMed - indexed for MEDLINE]

[Moss AJ, Windle JR, Hall WJ, Zareba W, Robinson JL, McNitt S, Severski P, Rosero S, Daubert JP, Qi M, Cieciorcka M, Manalan AS.](#)

Safety and efficacy of flecainide in subjects with Long QT-3 syndrome (DeltaKPQ mutation): a randomized, double-blind, placebo-controlled clinical trial.

Ann Noninvasive Electrocardiol. 2005 Oct;10(4 Suppl):59-66.

PMID: 16274417 [PubMed - indexed for MEDLINE]

[Napolitano C, Priori SG, Schwartz PJ, Bloise R, Ronchetti E, Nastoli J, Bottelli G, Cerrone M, Leonardi S.](#)

Genetic testing in the long QT syndrome: development and validation of an efficient approach to genotyping in clinical practice.

JAMA. 2005 Dec 21;294(23):2975-80.

PMID: 16414944 [PubMed - indexed for MEDLINE]

[Pearson EC, Woosley RL.](#)

QT prolongation and torsades de pointes among methadone users: reports to the FDA spontaneous reporting system.

Pharmacoepidemiol Drug Saf. 2005 Nov;14(11):747-53.

PMID: 15918160 [PubMed - indexed for MEDLINE]

[Sherman J, Tester DJ, Ackerman MJ.](#)

Targeted mutational analysis of ankyrin-B in 541 consecutive, unrelated patients referred for long QT syndrome genetic testing and 200 healthy subjects.

Heart Rhythm. 2005 Nov;2(11):1218-23.

PMID: 16253912 [PubMed - indexed for MEDLINE]

[Walker BD, Krahn AD, Klein GJ, Skanes AC, Yee R.](#)

Burst bicycle exercise facilitates diagnosis of latent long QT syndrome.

Am Heart J. 2005 Nov;150(5):1059-63.

PMID: 16290996 [PubMed - indexed for MEDLINE]

## Short QT Syndrome

[Bjerregaard P, Gussak I.](#)

Short QT syndrome.

Ann Noninvasive Electrocardiol. 2005 Oct;10(4):436-40. Review.

PMID: 16255754 [PubMed - indexed for MEDLINE]

[Brugada R, Hong K, Cordeiro JM, Dumaine R.](#)

Short QT syndrome.

CMAJ. 2005 Nov 22;173(11):1349-54. Review.

PMID: 16301704 [PubMed - indexed for MEDLINE]

[Kirilmaz A, Ulusoy RE, Kardesoglu E, Ozmen N, Demiralp E.](#)

Short QT interval syndrome: a case report.

J Electrocardiol. 2005 Oct;38(4):371-4.

PMID: 16216615 [PubMed - indexed for MEDLINE]

## Sudden Cardiac Death

[Achtelik M.](#)

Preventing sudden cardiac death.

Ann Intern Med. 2005 Nov 15;143(10):756; author reply 756. No abstract available.

PMID: 16287802 [PubMed - indexed for MEDLINE]

[Roberts WO, Maron BJ.](#)

Evidence for decreasing occurrence of sudden cardiac death associated with the marathon.

J Am Coll Cardiol. 2005 Oct 4;46(7):1373-4. No abstract available.

PMID: 16198859 [PubMed - indexed for MEDLINE]

[Sarkozy A, Brugada P.](#)

Sudden cardiac death: what is inside our genes?

Can J Cardiol. 2005 Oct;21(12):1099-110. Review.

PMID: 16234896 [PubMed - indexed for MEDLINE]

# Wolff-Parkinson-White Syndrome

[Venugopalan P, Babu JS, Al-Bulushi A.](#)

Right atrial rhabdomyoma acting as the substrate for Wolff-Parkinson-White syndrome in a 3-month-old infant.

Acta Cardiol. 2005 Oct;60(5):543-5.

PMID: 16261787 [PubMed - indexed for MEDLINE]

## Miscellaneous

[Hendriks KS, Grosfeld FJ, van Tintelen JP, van Langen IM, Wilde AA, van den Bout J, ten Kroode HF.](#)

Can parents adjust to the idea that their child is at risk for a sudden death?: Psychological impact of risk for long QT syndrome.

Am J Med Genet A. 2005 Oct 1;138(2):107-12.

PMID: 16149070 [PubMed - indexed for MEDLINE]

[Manios EG, Kallergis EM, Kanoupakis EM, Mavrakis HE, Kambouraki DC, Arfanakis DA, Vardas PE.](#)

Amino-terminal pro-brain natriuretic peptide predicts ventricular arrhythmogenesis in patients with ischemic cardiomyopathy and implantable cardioverter-defibrillators.

Chest. 2005 Oct;128(4):2604-10.

PMID: 16236931 [PubMed - indexed for MEDLINE]

[Murali S, Baldisseri MR.](#)

Peripartum cardiomyopathy.

Crit Care Med. 2005 Oct;33(10 Suppl):S340-6. Review.

PMID: 16215357 [PubMed - indexed for MEDLINE]

[Noda T, Shimizu W, Taguchi A, Aiba T, Satomi K, Suyama K, Kurita T, Aihara N, Kamakura S.](#)

Malignant entity of idiopathic ventricular fibrillation and polymorphic ventricular tachycardia initiated by premature extrasystoles originating from the right ventricular outflow tract.

J Am Coll Cardiol. 2005 Oct 4;46(7):1288-94.

PMID: 16198845 [PubMed - indexed for MEDLINE]

[Vicart S, Sternberg D, Fontaine B, Meola G.](#)

Human skeletal muscle sodium channelopathies.

Neurol Sci. 2005 Oct;26(4):194-202. Review.

PMID: 16193245 [PubMed - indexed for MEDLINE]

[Wong KY, McSwiggan S, Kennedy NS, Wong SY, Gavin A, MacWalter RS, Struthers AD.](#)

Spectrum of cardiac abnormalities associated with long QT in stroke survivors.

Heart. 2005 Oct;91(10):1306-10.

PMID: 16162622 [PubMed - indexed for MEDLINE]



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