



SADS Foundation Quarterly Literature Review

January – March 2008

Andersen-Tawil Syndrome

[Pellizzón OA, Kalaizich L, Ptáček LJ, Tristani-Firouzi M, Gonzalez MD.](#)

Flecainide suppresses bidirectional ventricular tachycardia and reverses tachycardia-induced cardiomyopathy in Andersen-Tawil syndrome.

J Cardiovasc Electrophysiol. 2008 Jan;19(1):95-7. Epub 2007 Jul 27.

PMID: 17655675 [PubMed - indexed for MEDLINE]

Arrhythmias (general)

[Traverso M, Gazzero E, Assereto S, Sotgia F, Biancheri R, Stringara S, Giberti L, Pedemonte M, Wang X, Scapolan S, Pasquini E, Donati MA, Zara F, Lisanti MP, Bruno C, Minetti C.](#)

Caveolin-3 T78M and T78K missense mutations lead to different phenotypes in vivo and in vitro.

Lab Invest. 2008 Mar;88(3):275-83. Epub 2008 Feb 4.

PMID: 18253147 [PubMed - indexed for MEDLINE]

[Kataoka M, Takatsuki S, Tanimoto K, Akaishi M, Ogawa S, Mitamura H.](#)

A case of vagally mediated idiopathic ventricular fibrillation.

Nat Clin Pract Cardiovasc Med. 2008 Feb;5(2):111-5.

PMID: 18223543 [PubMed - indexed for MEDLINE]

[Bernard G, Shevell MI.](#)

Channelopathies: a review.

Pediatr Neurol. 2008 Feb;38(2):73-85. Review.

PMID: 18206787 [PubMed - indexed for MEDLINE]

[van Dijk N, Boer KR, Colman N, Bakker A, Stam J, van Grieken JJ, Wilde AA, Linzer M, Reitsma JB, Wieling W.](#)

High diagnostic yield and accuracy of history, physical examination, and ECG in patients with transient loss of consciousness in FAST: the Fainting Assessment study.

J Cardiovasc Electrophysiol. 2008 Jan;19(1):48-55. Epub 2007 Oct 3.

PMID: 17916139 [PubMed - indexed for MEDLINE]

ARVD/ARVC

[Bilchick KC, Dimarco JP.](#)

Coming full circle: contouring the right ventricle in arrhythmogenic right ventricular dysplasia/cardiomyopathy.

J Cardiovasc Electrophysiol. 2008 Jan;19(1):46-7. Epub 2007 Oct 4. No abstract available.

PMID: 17916144 [PubMed - indexed for MEDLINE]

[Indik JH, Wichter T, Gear K, Dallas WJ, Marcus FI.](#)

Quantitative assessment of angiographic right ventricular wall motion in arrhythmogenic right ventricular dysplasia/cardiomyopathy (ARVD/C).

J Cardiovasc Electrophysiol. 2008 Jan;19(1):39-45. Epub 2007 Sep 24.

PMID: 17900252 [PubMed - indexed for MEDLINE]

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Brugada Syndrome

[Bebarta VS, Waksman JC.](#)

Reply to: "Amitriptyline-induced Brugada pattern fails to respond to sodium bicarbonate".
Clin Toxicol (Phila). 2008 Jan;46(1):90-1. No abstract available.
PMID: 18167040 [PubMed - indexed for MEDLINE]

[Kalra S, Iskandar SB, Duggal S, Smalligan RD.](#)

Fever-induced ST-segment elevation with a Brugada syndrome type electrocardiogram.
Ann Intern Med. 2008 Jan 1;148(1):82-4. No abstract available.
PMID: 18166764 [PubMed - indexed for MEDLINE]

[Joung B, Kim K, Lee YH, Kwon H, Lim HK, Kim TU, Ko YG, Lee M, Chung N, Kim S.](#)

Magnetic dispersion of the late repolarization in Brugada syndrome.
Circ J. 2008 Jan;72(1):94-101.
PMID: 18159107 [PubMed - indexed for MEDLINE]

[Six I, Hermida JS, Huang H, Gouas L, Fressart V, Benammar N, Hainque B, Denjoy I, Chahine M, Guicheney P.](#)

The occurrence of Brugada syndrome and isolated cardiac conductive disease in the same family could be due to a single SCN5A mutation or to the accidental association of both diseases.
Europace. 2008 Jan;10(1):79-85. Epub 2007 Dec 21.
PMID: 18156160 [PubMed - indexed for MEDLINE]

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A case report of Brugada-type electrocardiographic changes in a patient taking lithium.
Am J Emerg Med. 2008 Jan;26(1):113.e1-3. No abstract available.
PMID: 18082804 [PubMed - indexed for MEDLINE]

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Pilsicainide-induced Brugada-type ECG and ventricular arrhythmias originating from the left posterior fascicle in a case with Brugada syndrome associated with idiopathic left ventricular tachycardia.
Europace. 2008 Jan;10(1):86-90. Epub 2007 Nov 24.
PMID: 18037690 [PubMed - indexed for MEDLINE]

[Tada T, Kusano KF, Nagase S, Banba K, Miura D, Nishii N, Watanabe A, Nakamura K, Morita H, Ohe T.](#)

Clinical significance of macroscopic T-wave alternans after sodium channel blocker administration in patients with Brugada syndrome.
J Cardiovasc Electrophysiol. 2008 Jan;19(1):56-61. Epub 2007 Oct 4.
PMID: 17916151 [PubMed - indexed for MEDLINE]

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Influence of meals on variations of ST segment elevation in patients with Brugada syndrome.
J Cardiovasc Electrophysiol. 2008 Jan;19(1):62-8. Epub 2007 Sep 24.
PMID: 17900254 [PubMed - indexed for MEDLINE]

Cardiomyopathy

[De Bonis M, Lapenna E, Verzini A, La Canna G, Grimaldi A, Torracca L, Maisano F, Alfieri O.](#)

Recurrence of mitral regurgitation parallels the absence of left ventricular reverse remodeling after mitral repair in advanced dilated cardiomyopathy. *Ann Thorac Surg.* 2008 Mar;85(3):932-9.
PMID: 18291174 [PubMed - indexed for MEDLINE]

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Effect of intravenous positive inotropic therapy on myocardial damage in patients with dilated cardiomyopathy.

Anadolu Kardiyol Derg. 2008 Feb;8(1):69. No abstract available.
PMID: 18258539 [PubMed - indexed for MEDLINE]

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Association between angiotensin converting enzyme (ACE) gene I/D polymorphism frequency and plasma ACE concentration in patients with idiopathic dilated cardiomyopathy.

Anadolu Kardiyol Derg. 2008 Feb;8(1):65-6. No abstract available.
PMID: 18258537 [PubMed - indexed for MEDLINE]

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Arrhythmogenic right ventricular dysplasia/cardiomyopathy.

Expert Rev Cardiovasc Ther. 2008 Feb;6(2):249-60. Review.
PMID: 18248278 [PubMed - indexed for MEDLINE]

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Combined therapy with carvedilol and amiodarone is more effective in improving cardiac symptoms, function, and sympathetic nerve activity in patients with dilated cardiomyopathy: comparison with carvedilol therapy alone.

J Nucl Cardiol. 2008 Jan-Feb;15(1):57-64. Epub 2007 Nov 5.
PMID: 18242480 [PubMed - indexed for MEDLINE]

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PMID: 18237606 [PubMed - indexed for MEDLINE]

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Clinical implications of anti-heart autoantibodies in myocarditis and dilated cardiomyopathy.

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PMID: 18176863 [PubMed - indexed for MEDLINE]

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Role of magnetic resonance imaging in arrhythmogenic right ventricular dysplasia: insights from the North American arrhythmogenic right ventricular dysplasia (ARVD/C) study.

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PMID: 18082506 [PubMed - indexed for MEDLINE]

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Recovery of normal ventricular function in patients with dilated cardiomyopathy: predictors of an increasingly prevalent clinical event.
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Int J Cardiol. 2008 Mar 14;124(3):375-7. Epub 2007 Mar 23.
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Mol Med. 2008 Jan-Feb;14(1-2):55-63.
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Genetic basis of hypertrophic cardiomyopathy: from bench to the clinics.
J Cardiovasc Electrophysiol. 2008 Jan;19(1):104-10. Epub 2007 Oct 4. Review.
PMID: 17916152 [PubMed - indexed for MEDLINE]

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Polymorphisms of norepinephrine transporter and adrenergic receptor alpha1D are associated with the response to beta-blockers in dilated cardiomyopathy.
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Right ventricular dysfunction in hypertrophic cardiomyopathy as evidenced by the myocardial performance index.
Int J Cardiol. 2008 Feb 20;124(1):57-63. Epub 2007 Mar 26.
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Recurrence of mitral regurgitation parallels the absence of left ventricular reverse remodeling after mitral repair in advanced dilated cardiomyopathy.
Ann Thorac Surg. 2008 Mar;85(3):932-9.
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Clin Sci (Lond). 2008 Mar;114(6):431-40.
PMID: 17956225 [PubMed - indexed for MEDLINE]

Long QT Syndrome

[Darbar D, Kimbrough J, Jawaid A, McCray R, Ritchie MD, Roden DM.](#)

Persistent atrial fibrillation is associated with reduced risk of torsades de pointes in patients with drug-induced long QT syndrome. *J Am Coll Cardiol.* 2008 Feb 26;51(8):836-42.
PMID: 18294569 [PubMed - indexed for MEDLINE]

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J Med Genet. 2008 Feb;45(2):127-8. No abstract available.
PMID: 18245395 [PubMed - indexed for MEDLINE]

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Clinical practice. Long-QT syndrome.
N Engl J Med. 2008 Jan 10;358(2):169-76. Review. No abstract available.
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Am J Cardiol. 2008 Jan 15;101(2):209-11.
PMID: 18178408 [PubMed - indexed for MEDLINE]

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Mutation of an A-kinase-anchoring protein causes long-QT syndrome.
Proc Natl Acad Sci U S A. 2007 Dec 26;104(52):20990-5. Epub 2007 Dec 19.
PMID: 18093912 [PubMed - indexed for MEDLINE]

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Amiodarone-associated macroscopic T-wave alternans and torsade de pointes unmasking the inherited long QT syndrome.
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PMID: 18006559 [PubMed - indexed for MEDLINE]

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The congenital long QT syndrome: a mask for many faces.
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PMID: 18308162 [PubMed - indexed for MEDLINE]

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PMID: 18308161 [PubMed - indexed for MEDLINE]

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Pharmacological separation of early afterdepolarizations from arrhythmogenic substrate in DeltaK¹⁰Scn5a murine hearts modelling human long QT 3 syndrome.
Acta Physiol (Oxf). 2008 Apr;192(4):505-17. Epub 2007 Oct 31.
PMID: 17973950 [PubMed - indexed for MEDLINE]

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Int J Cardiol. 2008 Mar 14;124(3):366-7; author reply 368-9. Epub 2007 Apr 2. No abstract available.
PMID: 17400314 [PubMed - indexed for MEDLINE]

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Acquired long QT syndrome: Unequal regression of Amiodarone-induced repolarization lengthening.
Int J Cardiol. 2008 Mar 14;124(3):395-9. Epub 2007 Mar 27.
PMID: 17391786 [PubMed - indexed for MEDLINE]

Sudden Cardiac Death

[Pigozzi F, Rizzo M.](#)

Sudden death in competitive athletes.
Clin Sports Med. 2008 Jan;27(1):153-81, ix. Review.
PMID: 18206573 [PubMed - indexed for MEDLINE]

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Cardiac sodium channel gene variants and sudden cardiac death in women.
Circulation. 2008 Jan 1;117(1):16-23. Epub 2007 Dec 10.
PMID: 18071069 [PubMed - indexed for MEDLINE]

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Sudden cardiac death in the young. Calling for new tools.
Cardiology. 2008;109(2):143; author reply 144. Epub 2007 Aug 22. No abstract available.
PMID: 17713330 [PubMed - indexed for MEDLINE]

Supraventricular Tachycardia (SVT)

[Liberman L, Pass RH, Starc TJ.](#)

Optimal surface electrocardiogram lead for identification of the mechanism of supraventricular tachycardia in children.
Pediatr Emerg Care. 2008 Jan;24(1):28-30.
PMID: 18165795 [PubMed - indexed for MEDLINE]

Miscellaneous

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Outcomes in athletes with marked ECG repolarization abnormalities.
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Effect of sodium and calcium channel blockers on short-term cardiac memory in humans.

Int J Cardiol. 2008 Jan 11;123(2):94-101. Epub 2007 Feb 22.

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Cardiac sodium channels and inherited electrophysiologic disorders: a pharmacogenetic overview.

Expert Opin Pharmacother. 2008 Mar;9(4):537-49. Review.

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Molecular strategies for the electrophysiologist.

Nat Clin Pract Cardiovasc Med. 2008 Mar;5(3):117. No abstract available.

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