



# SADS Foundation Quarterly Literature Review

July - September 2008

## Arrhythmias (general)

[Hardin SR, Steele JR.](#)

Atrial fibrillation among older adults: pathophysiology, symptoms, and treatment.  
J Gerontol Nurs. 2008 Jul;34(7):26-33; quiz 34-5. Review.  
PMID: 18649821 [PubMed - indexed for MEDLINE]

[Cruickshank J.](#)

Initial management of cardiac arrhythmias.  
Aust Fam Physician. 2008 Jul;37(7):516-20. Review.  
PMID: 18592068 [PubMed - indexed for MEDLINE]

[Boussy T, Paparella G, de Asmundis C, Sarkozy A, Chierchia GB, Brugada J, Brugada R, Brugada P.](#)

Genetic basis of ventricular arrhythmias.  
Cardiol Clin. 2008 Aug;26(3):335-53, v. Review.  
PMID: 18538183 [PubMed - indexed for MEDLINE]

## Andersen-Tawil Syndrome

[Fox DJ, Klein GJ, Hahn A, Skanes AC, Gula LJ, Yee RK, Subbiah RN, Krahn AD.](#)

Reduction of complex ventricular ectopy and improvement in exercise capacity with flecainide therapy in Andersen-Tawil syndrome.  
Europace. 2008 Aug;10(8):1006-8. Epub 2008 Jul 11.  
PMID: 18621769 [PubMed - indexed for MEDLINE]

## ARVD/ARVC

[Yared K, Johri AM, Soni AV, Johnson M, Alkasab T, Cury RC, Hung J, Mamuya W.](#)

Cardiac sarcoidosis imitating arrhythmogenic right ventricular dysplasia.  
Circulation. 2008 Aug 12;118(7):e113-5. No abstract available.  
PMID: 18695196 [PubMed - indexed for MEDLINE]

[Muthappan P, Calkins H.](#)

Arrhythmogenic right ventricular dysplasia.  
Prog Cardiovasc Dis. 2008 Jul-Aug;51(1):31-43. Review.  
PMID: 18634916 [PubMed - indexed for MEDLINE]

[Erkapic D, Neumann T, Schmitt J, Sperzel J, Berkowitsch A, Kuniss M, Hamm CW, Pitschner HF.](#)

Electrical storm in a patient with arrhythmogenic right ventricular cardiomyopathy and SCN5A mutation.  
Europace. 2008 Jul;10(7):884-7. Epub 2008 Mar 29.  
PMID: 18375968 [PubMed - indexed for MEDLINE]

[Peters S.](#)

Arrhythmogenic right ventricular dysplasia-cardiomyopathy and provokable coved-type ST-segment elevation in right precordial leads: clues from long-term follow-up.  
Europace. 2008 Jul;10(7):816-20. Epub 2008 Feb 27.  
PMID: 18304999 [PubMed - indexed for MEDLINE]

# Brugada Syndrome

[Shalev A, Zeller L, Galante O, Shimony A, Gilutz H, Illia R.](#)

Symptomatic Brugada unmasked by fever.  
Isr Med Assoc J. 2008 Jul;10(7):548-9. No abstract available.  
PMID: 18751640 [PubMed - indexed for MEDLINE]

[Walker DD, Johnson ML, Craig-Gray RW, Loyd F.](#)

Brugada syndrome in an active duty Air Force senior pilot.  
Mil Med. 2008 Aug;173(8):809-13.  
PMID: 18751603 [PubMed - indexed for MEDLINE]

[Bonnemeier H, Mäuser W, Schunkert H.](#)

Images in cardiovascular medicine. Brugada-like ECG pattern in severe hypothermia.  
Circulation. 2008 Aug 26;118(9):977-8. No abstract available.  
PMID: 18725504 [PubMed - indexed for MEDLINE]

[Tsuji H, Sato T, Morisaki K, Iwasaka T.](#)

Prognosis of subjects with Brugada-type electrocardiogram in a population of middle-aged Japanese diagnosed during a health examination.  
Am J Cardiol. 2008 Sep 1;102(5):584-7. Epub 2008 Jul 2.  
PMID: 18721516 [PubMed - indexed for MEDLINE]

[Yue AM.](#)

Repolarization measurement in Brugada syndrome.  
J Am Coll Cardiol. 2008 Aug 19;52(8):674; author reply 674-5. No abstract available.  
PMID: 18702975 [PubMed - indexed for MEDLINE]

[Amin AS, Meregalli PG, Bardai A, Wilde AA, Tan HL.](#)

Fever increases the risk for cardiac arrest in the Brugada syndrome.  
Ann Intern Med. 2008 Aug 5;149(3):216-8. No abstract available.  
PMID: 18678856 [PubMed - indexed for MEDLINE]

[Benito B, Brugada R, Brugada J, Brugada P.](#)

Brugada syndrome.  
Prog Cardiovasc Dis. 2008 Jul-Aug;51(1):1-22. Review.  
PMID: 18634914 [PubMed - indexed for MEDLINE]

[Barajas-Martínez HM, Hu D, Cordeiro JM, Wu Y, Kovacs RJ, Meltzer H, Kui H, Elena B, Brugada R, Antzelevitch C, Dumaine R.](#)

Lidocaine-induced Brugada syndrome phenotype linked to a novel double mutation in the cardiac sodium channel.  
Circ Res. 2008 Aug 15;103(4):396-404. Epub 2008 Jul 3.  
PMID: 18599870 [PubMed - indexed for MEDLINE]

[Wichter T.](#)

What role for autonomic dysfunction in Brugada Syndrome? Pathophysiological and prognostic implications.  
Europace. 2008 Jul;10(7):782-3. Epub 2008 May 7. No abstract available.  
PMID: 18467300 [PubMed - indexed for MEDLINE]

[Grimster A, Segal OR, Behr ER.](#)

Type I Brugada electrocardiogram pattern during the recovery phase of exercise testing.  
Europace. 2008 Jul;10(7):897-8. Epub 2008 Apr 28. No abstract available.  
PMID: 18445574 [PubMed - indexed for MEDLINE]

[Bigi MA, Aslani A, Aslani A.](#)

Significance of cardiac autonomic neuropathy in risk stratification of Brugada syndrome.

Europace. 2008 Jul;10(7):821-4. Epub 2007 Dec 18.  
PMID: 18089621 [PubMed - indexed for MEDLINE]

[Ariyarajah V, Smith H, Hodge S, Khadem A.](#)

Spontaneous alternans in Brugada ST-segment morphology within minutes.

J Electrocardiol. 2008 Jul-Aug;41(4):302-5. Epub 2008 Mar 14.  
PMID: 18342882 [PubMed - indexed for MEDLINE]

## Cardiomyopathy

[Tuunanen H, Engblom E, Naum A, Nägren K, Scheinin M, Hesse B, Juhani Airaksinen KE, Nuutila P, Iozzo P, Ukkonen H, Opie LH, Knuuti J.](#)

Trimetazidine, a metabolic modulator, has cardiac and extracardiac benefits in idiopathic dilated cardiomyopathy.

Circulation. 2008 Sep 16;118(12):1250-8. Epub 2008 Sep 2.  
PMID: 18765391 [PubMed - indexed for MEDLINE]

[Elkilany GE, Al-Qbandi MA, Sayed KA, Kabbash I.](#)

Dilated cardiomyopathy in children and adults: what is new?

ScientificWorldJournal. 2008 Aug 6;8:762-75.  
PMID: 18690380 [PubMed - indexed for MEDLINE]

[Klingenheben T, Ptaszynski P, Hohnloser SH.](#)

Heart rate turbulence and other autonomic risk markers for arrhythmia risk stratification in dilated cardiomyopathy.

J Electrocardiol. 2008 Jul-Aug;41(4):306-11. Epub 2008 Mar 14.  
PMID: 18342881 [PubMed - indexed for MEDLINE]

[Yamano T, Nakatani S, Kanzaki H, Toh N, Amaki M, Tanaka J, Abe H, Hasegawa T, Sawada T, Matsubara H, Kitakaze M.](#)

Exercise-induced changes of functional mitral regurgitation in asymptomatic or mildly symptomatic patients with idiopathic dilated cardiomyopathy.

Am J Cardiol. 2008 Aug 15;102(4):481-5. Epub 2008 May 24.  
PMID: 18678310 [PubMed - indexed for MEDLINE]

[Zhang YQ, Sarge KD.](#)

Sumoylation regulates lamin A function and is lost in lamin A mutants associated with familial cardiomyopathies.

J Cell Biol. 2008 Jul 14;182(1):35-9. Epub 2008 Jul 7.  
PMID: 18606848 [PubMed - indexed for MEDLINE]

[Parks SB, Kushner JD, Nauman D, Burgess D, Ludwigsen S, Peterson A, Li D, Jakobs P, Litt M, Porter CB, Rahko PS, Hershberger RE.](#)

Lamin A/C mutation analysis in a cohort of 324 unrelated patients with idiopathic or familial dilated cardiomyopathy.

Am Heart J. 2008 Jul;156(1):161-9. Epub 2008 Mar 12.  
PMID: 18585512 [PubMed - indexed for MEDLINE]

[Landsberger M, Staudt A, Choudhury S, Trimpert C, Herda LR, Klingel K, Kandolf R, Schultheiss HP, Kroemer HK, Völker U, Felix SB.](#)

Potential role of antibodies against cardiac Kv channel-interacting protein 2 in dilated cardiomyopathy.

Am Heart J. 2008 Jul;156(1):92-99.e2. Epub 2008 May 16.  
PMID: 18585502 [PubMed - indexed for MEDLINE]

[Santangeli P, Marzo F, Macchione A, Bellocchi F, Crea F, Pieroni M.](#)

Recovery of normal ventricular function in patients with dilated cardiomyopathy: relevance of the etiology.

Am Heart J. 2008 Jul;156(1):e3. No abstract available.  
PMID: 18585487 [PubMed - indexed for MEDLINE]

[Mavroidis M, Panagopoulou P, Kostavasili I, Weisleder N, Capetanaki Y.](#)

A missense mutation in desmin tail domain linked to human dilated cardiomyopathy promotes cleavage of the head domain and abolishes its Z-disc localization.

FASEB J. 2008 Sep;22(9):3318-27. Epub 2008 Jun 6.  
PMID: 18539904 [PubMed - indexed for MEDLINE]

[Mizia-Stec K, Gasior Z, Wojnicz R, Haberka M, Mielczarek M, Wierzbicki A, Pstraś K, Hartleb M.](#)

Severe dilated cardiomyopathy as a consequence of Ecstasy intake.

Cardiovasc Pathol. 2008 Jul-Aug;17(4):250-3. Epub 2007 Oct 24.  
PMID: 18402796 [PubMed - indexed for MEDLINE]

[Saumarez RC, Pytkowski M, Sterlinski M, Bourke JP, Clague JR, Cobbe SM, Connelly DT, Griffith MJ, McKeown PP, McLeod K, Morgan JM, Sadoul N, Chojnowska L, Huang CL, Grace AA.](#)

Paced ventricular electrogram fractionation predicts sudden cardiac death in hypertrophic cardiomyopathy.

Eur Heart J. 2008 Jul;29(13):1653-61. Epub 2008 Apr 2.  
PMID: 18385118 [PubMed - indexed for MEDLINE]

## **Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT)**

[Liu N, Ruan Y, Priori SG.](#)

Catecholaminergic polymorphic ventricular tachycardia.

Prog Cardiovasc Dis. 2008 Jul-Aug;51(1):23-30. Review.  
PMID: 18634915 [PubMed - indexed for MEDLINE]

[Valle G, Galla D, Nori A, Priori SG, Gyorke S, de Filippis V, Volpe P.](#)

Catecholaminergic polymorphic ventricular tachycardia-related mutations R33Q and L167H alter calcium sensitivity of human cardiac calsequestrin.

Biochem J. 2008 Jul 15;413(2):291-303.  
PMID: 18399795 [PubMed - indexed for MEDLINE]

## **Long QT Syndrome**

[Ueda K, Valdivia C, Medeiros-Domingo A, Tester DJ, Vatta M, Farrugia G, Ackerman MJ, Makielski JC.](#)

Syntrophin mutation associated with long QT syndrome through activation of the nNOS-SCN5A macromolecular complex.

Proc Natl Acad Sci U S A. 2008 Jul 8;105(27):9355-60. Epub 2008 Jun 30.  
PMID: 18591664 [PubMed - indexed for MEDLINE]

[Wilde AA, Coronel R.](#)

The complexity of genotype-phenotype relations associated with loss-of-function sodium channel mutations and the role of in silico studies.

Am J Physiol Heart Circ Physiol. 2008 Jul;295(1):H8-9. Epub 2008 May 23. No abstract available.  
PMID: 18502906 [PubMed - indexed for MEDLINE]

[Morita H, Wu J, Zipes DP.](#)

The QT syndromes: long and short.

Lancet. 2008 Aug 30;372(9640):750-63. Review.  
PMID: 18761222 [PubMed - indexed for MEDLINE]

[Crotti L, Celano G, Dagradi F, Schwartz PJ.](#)

Congenital long QT syndrome.

Orphanet J Rare Dis. 2008 Jul 7;3:18. Review.

PMID: 18606002 [PubMed - indexed for MEDLINE]

[Arbour L, Rezazadeh S, Eldstrom J, Weget-Simms G, Rupps R, Dyer Z, Tibbits G, Accili E, Casey B, Kmetec A, Sanatani S, Fedida D.](#)

A KCNQ1 V205M missense mutation causes a high rate of long QT syndrome in a First Nations community of northern British Columbia: a community-based approach to understanding the impact.

Genet Med. 2008 Jul;10(7):545-50.

PMID: 18580685 [PubMed - indexed for MEDLINE]

[Amin AS, Herfst LJ, Delisle BP, Klemens CA, Rook MB, Bezzina CR, Underkofler HA, Holzem KM, Ruijter JM, Tan HL, January CT, Wilde AA.](#)

Fever-induced QTc prolongation and ventricular arrhythmias in individuals with type 2 congenital long QT syndrome.

J Clin Invest. 2008 Jul;118(7):2552-61.

PMID: 18551196 [PubMed - indexed for MEDLINE]

## Sudden Cardiac Death

[Sidlo J, Parrák V, Kvasnicka P, Majdan M, Sidlová H.](#)

On the use of biochemical markers in diagnostics of sudden cardiac death.

Soud Lek. 2008 Jul;53(3):31-4.

PMID: 18783117 [PubMed - indexed for MEDLINE]

[Villuendas R, Kadish AH.](#)

Cardiac magnetic resonance for risk stratification: the sudden death risk portrayed.

Prog Cardiovasc Dis. 2008 Sep-Oct;51(2):128-34. Review.

PMID: 18774012 [PubMed - indexed for MEDLINE]

[Thomas KE, Josephson ME.](#)

The role of electrophysiology study in risk stratification of sudden cardiac death.

Prog Cardiovasc Dis. 2008 Sep-Oct;51(2):97-105. Review.

PMID: 18774009 [PubMed - indexed for MEDLINE]

[Montagnana M, Lippi G, Franchini M, Banfi G, Guidi GC.](#)

Sudden cardiac death in young athletes.

Intern Med. 2008;47(15):1373-8. Epub 2008 Aug 1. Review.

PMID: 18670141 [PubMed - indexed for MEDLINE]

[Pouwels S, Ennezat PV, Asseman P.](#)

An unexpected finding in sudden cardiac death.

Emerg Med J. 2008 Aug;25(8):491. No abstract available.

PMID: 18660396 [PubMed - indexed for MEDLINE]

[Link MS, Mark Estes NA 3rd.](#)

Sudden cardiac death in athletes.

Prog Cardiovasc Dis. 2008 Jul-Aug;51(1):44-57. Review.

PMID: 18634917 [PubMed - indexed for MEDLINE]

[Drezner JA, Khan K.](#)

Sudden cardiac death in young athletes.

BMJ. 2008 Jul 3;337:a309. doi: 10.1136/bmj.a309. No abstract available.

PMID: 18599473 [PubMed - indexed for MEDLINE]

[Terentyev D, Kubalova Z, Valle G, Nori A, Vedamoorthyrao S, Terentyeva R, Viatchenko-Karpinski S, Bers DM, Williams SC, Volpe P, Gyorke S.](#)

Modulation of SR Ca release by luminal Ca and calsequestrin in cardiac myocytes: effects of CASQ2 mutations linked to sudden cardiac death.

Biophys J. 2008 Aug;95(4):2037-48. Epub 2008 May 9.

PMID: 18469084 [PubMed - indexed for MEDLINE]

## Miscellaneous

[Roden DM.](#)

Repolarization reserve: a moving target.

Circulation. 2008 Sep 2;118(10):981-2. No abstract available.

PMID: 18765386 [PubMed - indexed for MEDLINE]

