

Article Title	Authors	Journal Reference
ILSI/HESI initiative on moving towards better predictors of drug-induced torsades de pointes	Bass AS, Darpo B, Breidenbach A, Bruse K, Feldman HS, Garnes D, Hammond T, Haverkamp W, January C, Koerner J, Lawrence C, Leishman D, Roden D, Valentin JP, Vos MA, Zhou YY, Karluss T, Sager P.	Br J Pharmacol. 2008;154:1491-501.
Is ranolazine an antiarrhythmic drug?	Eckhardt LL, Teelin TC, January CT.	AJP: Heart & Circ. 2008;294:H1989-91.
Coexistence of hERG current block and disruption of protein trafficking in ketoconazole-induced long QT syndrome	Takemasa H, Nagatomo T, Abe H, Kawakami K, Igarashi T, Tsurugi T, Kabashima N, Tamura M, Okazaki M, Delisle BP, January CT, Otsuji Y.	Br J Pharmacol. 2008;153:439-47.
Comparison of HERG channel blocking effects of various beta-blockers—implication for clinical strategy	Kawakami K, Nagatomo T, Abe H, Kikuchi K, Takemasa H, Anson BD, Delisle BP, January CT, Nakashima Y.	Br J Pharmacol. 2006;147:642-52.
Drug-induced long QT syndrome: hERG K ⁺ channel block and disruption of protein trafficking by fluoxetine and norfluoxetine	Rajamani S, Eckhardt LL, Valdivia CR, Klemens CA, Gillman BM, Anderson CL, Holzem KM, Delisle BP, Anson BD, Makielski JC, January CT	Br J Pharmacol. 2006 Nov;149(5):481-9.
Most LQT2 mutations reduce K ⁺ current by a class 2 (trafficking deficient) mechanism	Anderson CL, Delisle BP, Anson BD, Kilby JA, Will ML, Tester DJ, Gong Q, Zhou Z, Ackerman MJ, January CT	Circulation. 2006;113:365-73.
Blockade of the hERG cardiac K ⁺ current by antifungal drug miconazole	Kikuchi K, Nagatomo T, Abe H, Kawakami K, Makielski JC, January CT, Nakashima Y	Br J Pharmacol. 2005;144:840-8.
Protein trafficking abnormalities: A new mechanism in drug-induced long QT syndrome	Eckhardt LL, Rajamani S, January CT	Br J Pharmacol. 2005;145:3-4.
Blockade of hERG channels by HIV protease inhibitors	Anson BD, Weaver JGR, Ackerman MJ, Akinsete O, Henry K, January CT, Badley AD	Lancet. 2005;365:682-6.
Common polymorphisms in KCNH2/hERG potassium channels	Anson B, Ackerman MJ, Tester BS, Delisle BP, Anderson CL, January CT	Am J Physiol: Heart & Circ. 2004;286:H2434-41.
Inherited and acquired long QT syndromes: New insights and evolving technology	Kamp TJ, January CT	Drug Discov Today. 2004;1:45-51.
Potassium and Long QT Syndrome: A new look at an old therapy	Bisnov E, Mitchell JH, January CT	JACC. 2003;42:1783-4.
The anti-malarial drug halofantrine and its metabolite n-desbutylhalofantrine block hERG potassium channels	Mbai M, Rajamani S, January CT	Cardiovasc Res. 2002;55:799-804.
Cocaine blocks hERG, but not KvLQT1+minK, potassium channels	Zhang S, Rajamani S, Chen Y, Gong Q, Rong Y, Zhou Z, Ruoho A, January CT	Mol Pharmacol. 2001;59:1069-76.
3H]Dofetilide binding to hERG transfected membranes: A potential high throughput preclinical screen	Finlayson K, Turnbull L, January CT, Sharkey J, Kelly JS	European J Pharmacol. 2001;430:147-8.
Proarrhythmia related to prolongation of repolarization: Mechanisms, monitoring, prevention, and management	January CT, Makielski JC	Cardiac Electrophysiol Rev. 2000; 4:212–6.
Block of human cardiac hERG K ⁺ channels by the antihistamine astemizole metabolites desmethylastemizole and norastemizole	Zhou Z, Vorperian VR, Gong Q, Zhang S, January CT	J Cardiovasc Electrophys. 1999;10:836-43.
Mechanism of block and identification of the verapamil binding domain to hERG potassium channels	Zhang S, Zhou Z, Gong Q, Makielski JC, January CT	Circ Res. 1999;84:989-98.
Properties of hERG channels stably expressed in HEK 293 cells studied at physiological temperature	Zhou Z, Gong Q, Ye B, Fan Z, Makielski JC, Robertson GA, January CT	Biophys J. 1998;74:230-41.
Blockage of the hERG human cardiac K ⁺ channel by the gastrointestinal prokinetic agent cisapride	Mohammad S, Zhou Z, Gong Q, January CT	Am J Physiol (Heart and Circ). 1997;42:H2534-8.

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Torsades de Pointes with an antihistamine metabolite: Potassium channel blockade with desmethylastemizole	Vorperian VR, Zhou Z, Mohammad S, Hoon TJ, Studenik C, January CT	J Am Coll Cardiol. 1996;28:1556-61.
Properties of E-4031-induced early afterdepolarizations in rabbit ventricular myocytes: Studies using a perforated patch method	Zhou Z, Studenik C, January CT	In: Vereecke J, van Bogaert PP, Verdonck F, editors. Potassium Channels in Normal and Pathological Conditions. Leuven: Leuven University Press; 1995. p. 375-9.
Digoxin-induced delayed afterdepolarizations: Biphasic effects of digoxin on action potential duration and the Q-T interval in cardiac Purkinje fibers	Xie JT, Cunningham PM, January CT	Meth Find Exp Clin Pharmacol. 1995;17:113-20.
Cellular mechanisms of early afterdepolarizations	January CT, Moscucci A	Ann NY Acad Sci.1992;644:23-32.
Direct measurement of L type Ca ²⁺ window current in heart cells	Hirano Y, Moscucci A, January CT	Circ Res.1992;70:445-55.
Single channel demonstration of L type Ca ²⁺ window current	Shorofsky SR, January CT.	Circ Res. 1992;70:456-64.
Mechanisms of triggered arrhythmias	January CT, Cadman CS, Shorofsky SR	Coron Art Dis. 1992;4:339-44.
Triggered activity in the heart: Cellular mechanisms of early afterdepolarizations	January CT, Chau V, Makielski JC	European Heart J. 1991;12(suppl F):4-9.
Triggered arrhythmias: New insights into basic mechanisms	January CT, Makielski JC	Current Opinion in Cardiol.1990;5:65-8.
Early afterdepolarizations: Newer insights into cellular mechanisms	January CT, Shorofsky SR	J Cardiovasc Electrophysiol. 1990;1:161-9.
Early afterdepolarizations: Mechanism of induction and block. A role for L-type Ca ⁺⁺ current	January CT, Riddle JM	Circ Res.1989;64:977-90.
A model for early afterdepolarizations: Induction with the Ca ²⁺ channel agonist Bay K 8644	January CT, Riddle JM, Salata JJ	Circ Res. 1988;62:563-71.
Delayed afterdepolarizations in heart muscle: Mechanisms and relevance	January CT, Fozzard HA	Pharmacol Rev. 1988;40:219-227.
Management of nonacute digitalis toxicity	January CT	Prim Cardiol. 1988 Nov (Special Edition):35.
Excitability and oscillatory afterpotentials in isolated sheep cardiac Purkinje fibers	Terek RM, January CT	Am J Physiol. 1987;252 (Heart Circ Physiol 21):H645-52.