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	(September 2004)			
PAST ISSUES	Diagnostic value o	f epinephrine tes	t for genotyping LQT	ABSTRACT
ARTICLES IN PRESS	LQT2, and LQT3 forms of congenital long QT syndrome Wataru Shimizu, MD, PhD ^{ab} M, <u>Takashi Noda</u> , MD, PhD ^a , <u>Hiroshi Takaki</u> , MD ^c , Noritoshi Nagaya, MD, PhD ^a , <u>Kazuhiro Satomi</u> , MD ^a , <u>Takashi Kurita</u> , MD, PhD ^a , Kazuhiro Suyama, MD, PhD ^a , <u>Naohiko Aihara</u> , MD ^a , <u>Kenji Sunagawa</u> , MD, PhD ^a , Shigeyuki Echigo, MD ^d , <u>Yoshihiro Miyamoto</u> , MD, PhD ^b , <u>Yasunao Yoshimasa</u> , MD, PhD ^b , <u>Kazufumi Nakamura</u> , MD, PhD ^e , <u>Tohru Ohe</u> , MD, PhD ^e , Jeffrey A. Towbin,			' FULL TEXT
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HRS Meeting Abstracts	Received 30 January 2004; acc	cepted 14 April 2004		
Aims and Scope				
 Editorial Board 	Objectives The aim of this study was to test the hypothesis that epinephrine test may have diagnostic value for genotyping LQT1, LQT2, and LQT3 forms of congenital			
 Abstracting/Indexing 				
Author Info/Submit MSS	long QT syndrome (LQT		Ŭ	
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 Contact Information 	A differential response of dynamic QT interval to epinephrine infusion between LQT1, LQT2, and LQT3 syndromes has been reported, indicating the potential diagnostic value of the epinephrine test for genotyping the three forms.			
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More periodicals: FIND A PERIODICAL FIND A PORTAL	examined in 15 LQT1, 10 LQT2, 8 LQT3, and 10 healthy volunteers to select the best ECG criteria for separating the four groups. The epinephrine test then was prospectively conducted in 42 probands clinically affected with LQTS, their 67 family members, and 10 new volunteers. The best criteria were applied in a blinded fashion to prospectively separate a different group of 31 LQT1, 23 LQT2, 6 LQT3, and 30 Control patients (10 genotype-negative LQT1, 10 genotype-negative LQT2 family members, and 10 volunteers).			
GO TO PRODUCT CATALOG	(68%) than in LQT2 (83%) improved with steady-sta not in LQT3 (83%), witho and specificity to differen LQT3 were 97% and 100 respectively, when Δ me used. The sensitivity and	6) or LQT3 (83%) bef the epinephrine in LQ but the expense of sp titate LQT1 from LQT 0%, and those from C an corrected Q-Tend I specificity to differen	c criteria was lower in LQT1 ore epinephrine and was T1 (87%) and LQT2 (91%) but ecificity (100%). The sensitivi 2 were 97% and 96%, those ontrol were 97% and 100%, \geq 35ms at steady state was tiate LQT2 from LQT3 or Com- nean corrected Q-Tend \geq 800	ty from ntrol
	and LQT3 syndromes as positive patients, especia	well as to improve the ally those with LQT1 s	ict the genotype of LQT1, LQ e clinical diagnosis of genoty syndrome.	
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Dr. Shimizu was supported in part by the Japanese Cardiovascular Research Foundation, Vehicle Racing Commemorative Foundation, and Health Sciences Research Grants from the Ministry of Health, Labour and Welfare, and Research Grant for Cardiovascular Diseases (15C-6) from the Ministry of Health, Labour and Welfare, Japan. Dr. Priori was supported by an educational grant from the Leducg Foundation. Dr. Towbin was supported by grants from the National Institutes of Health (NIH), National Heart, Lung & Blood Institute (NHLBI) (R01 HL33843 and R01 HL51618).

PII: S1547-5271(04)00274-7

doi:10.1016/j.hrthm.2004.04.021

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