



## **VASCULAR DISEASE**

## MORBIDITY, VASCULAR EVENTS AND INTERVENTIONAL THERAPY FOR FIBROMUSCULAR DYSPLASIA: A REPORT OF THE FIBROMUSCULAR DYSPLASIA PATIENT REGISTRY

ACC Poster Contributions Ernest N. Morial Convention Center, Hall F Sunday, April 03, 2011, 10:00 a.m.-11:15 a.m.

Session Title: Renal Dysfunction and Vascular Diseases

Abstract Category: 11. Peripheral Arterial/Carotid Disease/Aortic Disease

Session-Poster Board Number: 1009-105

Authors: <u>Heather L. Gornik</u>, James B. Froehlich, Xiaokui Gu, J. Michael Bacharach, Bruce Gray, Mark A. Grise, Soo Hyun Kim, Eva Kline-Rogers, Pamela D. Mace, Robert McBane, Jeffrey W. Olin, Cleveland Clinic Foundation, Cleveland, OH

**Background:** The natural history of fibromuscular dysplasia (FMD) has not been clearly described.

**Methods:** Vascular events, revascularization procedures, and outcomes are reported for the first 302 patients (pts) enrolled in the FMD registry from 7 U.S. sites.

**Results:** 91.4% were female (mean age at diagnosis 51.5 + 14.3 years). Hypertension occurred in 72.2% (mean age of onset 43.4 + 15.9 years). Headaches were common (63.7%) and daily in 13.7%. The prevalence of vascular events is shown below. No deaths were reported during median follow-up from date of diagnosis of 24 months. 46.4% (140/302) of pts underwent at least 1 therapeutic procedure [balloon angioplasty (52.9%) with stenting (20.4%), arterial bypass surgery (11.1%), or other (15.6%)] with renal artery (67.6%), extracranial carotid (16.5%), celiac/mesenteric (6.0%), and intracranial carotid (3.3%) artery procedures most common. The most frequent procedural indications were hypertension, aneurysm, and dissection. Procedural success was reported in 82.4% of procedures with symptomatic improvement in 50.2% and complication(s) in 7.6% of procedures.

**Conclusions:** FMD is a morbid condition but mortality was low in the short period of follow up. Dissection, TIA, or stroke occur frequently and dissections and aneurysms may involve multiple vascular beds. Nearly half of the pts required invasive therapeutic procedures with a high technical success rate.

metellimaturer	Aurter News No.
NAME OF PERSONS	W.184%
Inthibite Nilleague	
(W)thereteres	
(A) his last of the second states	
(879-1490)	
II Prince of	
Selection	
E2000v	
Territoria de la compansión de la compan	2010
(emilies NE market	
Non-percent	
Gift families	
GR(wei/sie)	
(All life impared trees	
1002099990	
Linimero	
-91917-00001-0000-	4000
***	2340
Service of the servic	20.80
N. SHIP!	1790
themselve.	#5PF
	10.76
99703	10.00
helese.	15.00
Personal Services	1816
iner .	10%