



# Stress Echo: State of the art

Rosa Sicari  
CNR, Institute of Clinical Physiology,  
Pisa, Italy

Vall D'Hebron  
Barcelona, Spain

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**SPECIAL ARTICLE**

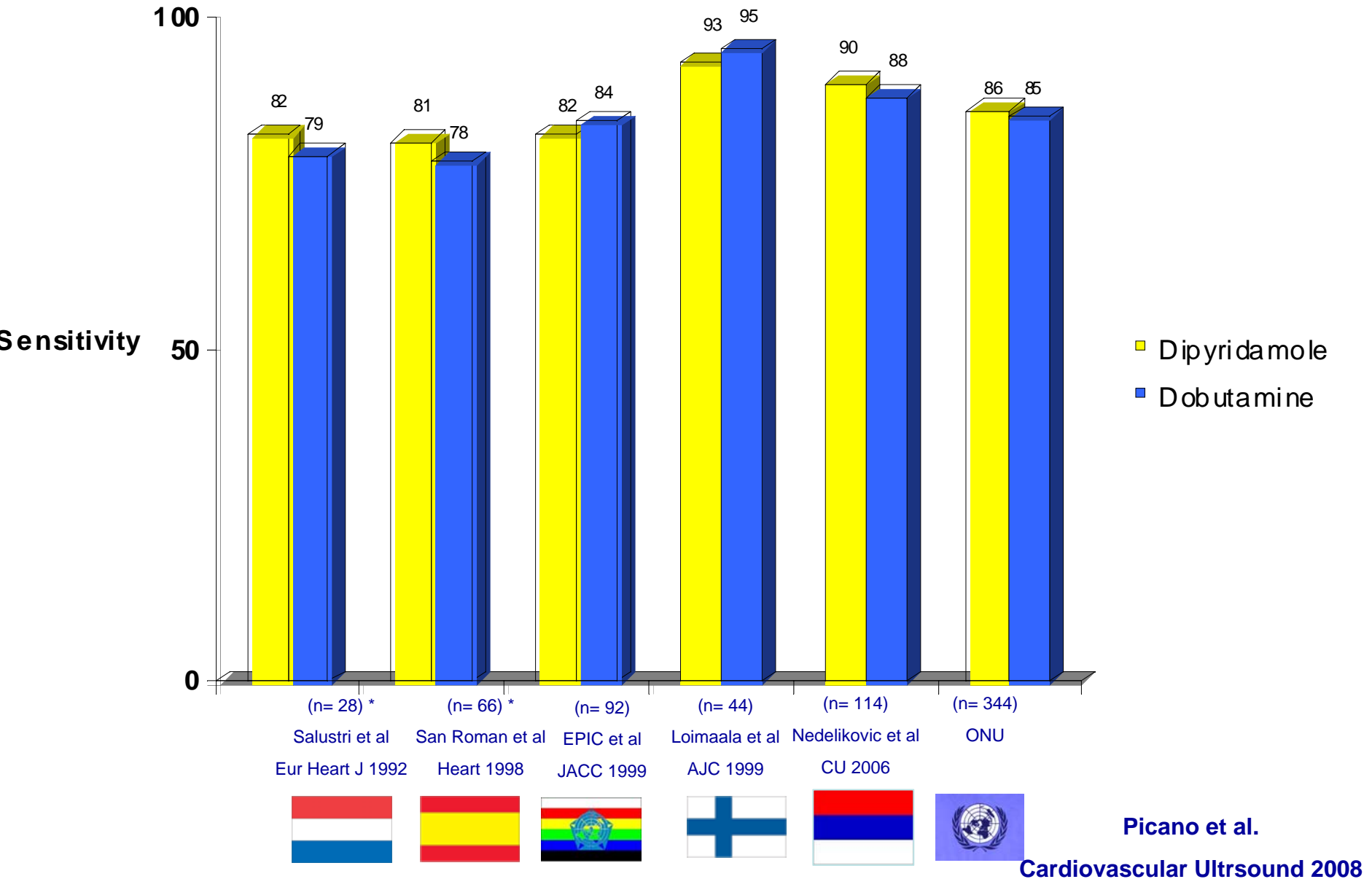
# Stress Echocardiography Expert Consensus Statement—Executive Summary

**European Association of Echocardiography (EAE) (a registered branch of the ESC)**

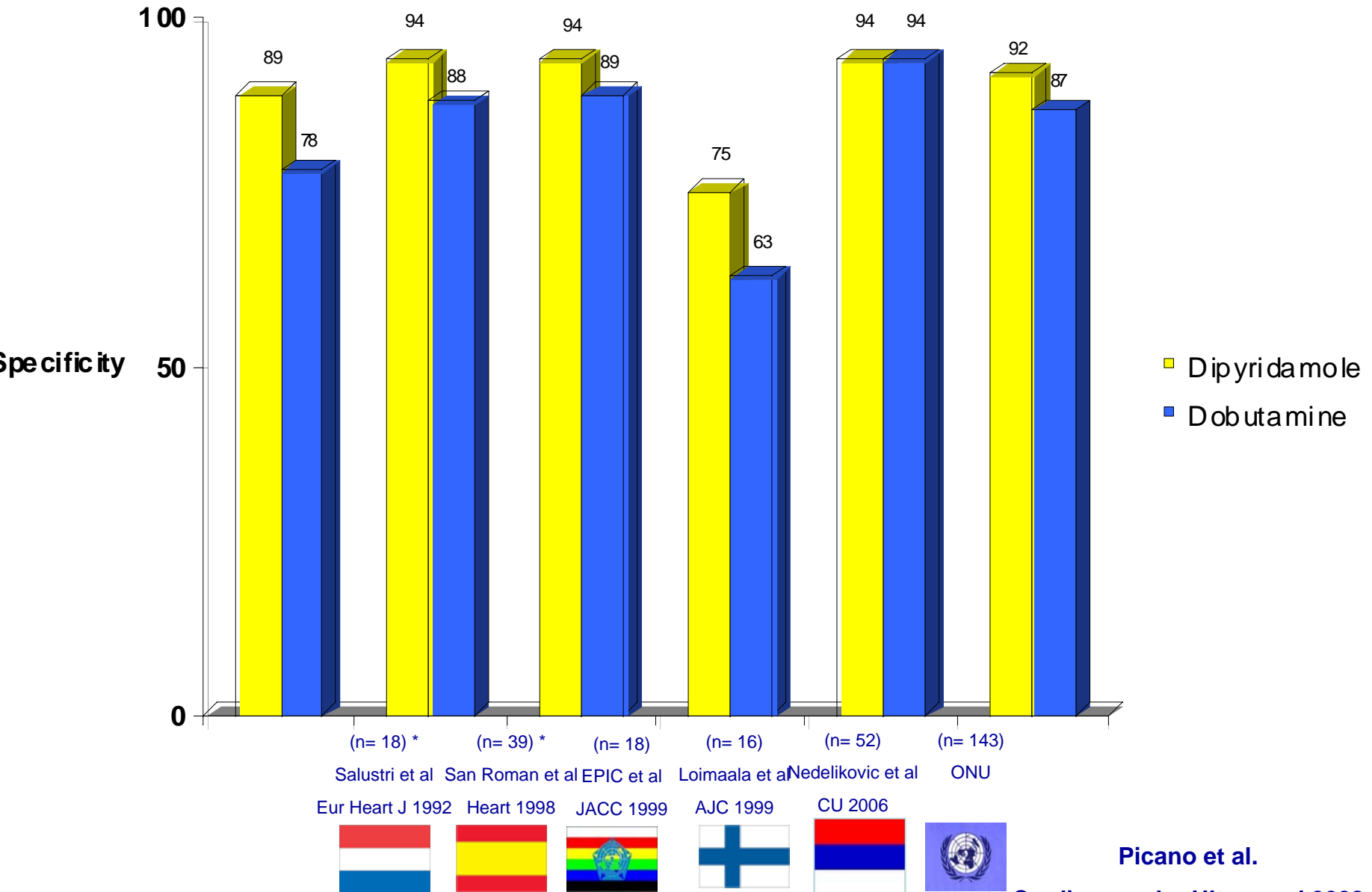
**Rosa Sicari<sup>1\*</sup>, Petros Nihoyannopoulos<sup>2</sup>, Arturo Evangelista<sup>3</sup>, Jaroslav Kasprzak<sup>4</sup>, Patrizio Lancellotti<sup>5</sup>, Don Poldermans<sup>6</sup>, Jens-Uwe Voigt<sup>7</sup>, and Jose Luis Zamorano<sup>8</sup> on behalf of the European Association of Echocardiography**

<sup>1</sup>Institute of Clinical Physiology, Pisa, Italy; <sup>2</sup>Hammersmith Hospital, NHLI, Imperial College, London, UK; <sup>3</sup>Hospital Vall d'Hebron, Barcelona, Spain; <sup>4</sup>Department of Cardiology, Medical University of Lodz, Lodz, Poland; <sup>5</sup>Department of Cardiology, University Hospital Sart Tilman, Liège, Belgium; <sup>6</sup>Erasmus Medical Center, Rotterdam, The Netherlands; <sup>7</sup>Catholic University, Leuven, Belgium; and <sup>8</sup>Instituto Cardiovascular, Hospital Clínico San Carlos, Madrid, Spain

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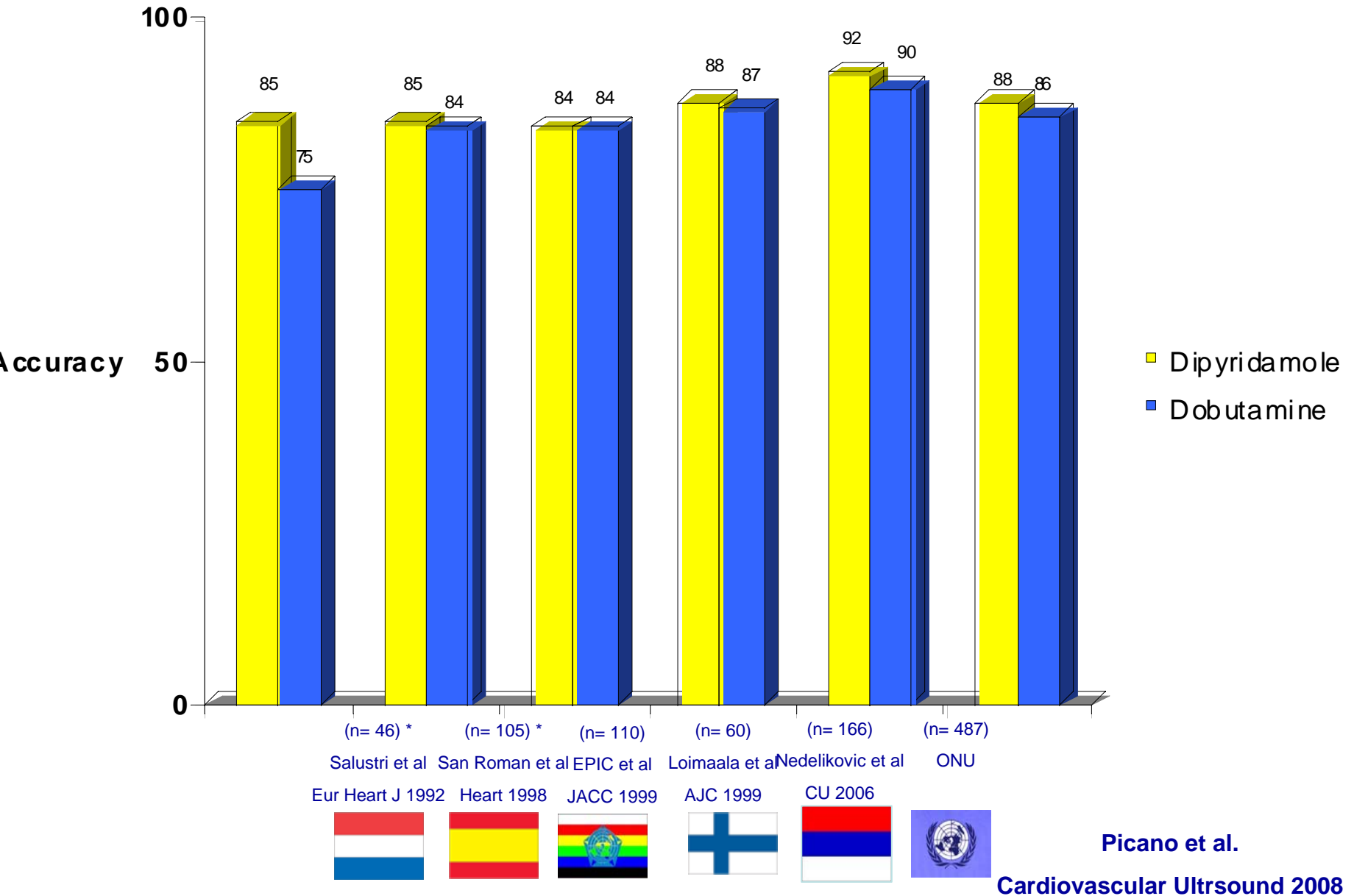


Salustri et al Eur Heart J 1992    San Roman et al Heart 1998    EPIC et al JACC 1999    Loimaala et al AJC 1999    Nedelikovic et al CU 2006    ONU

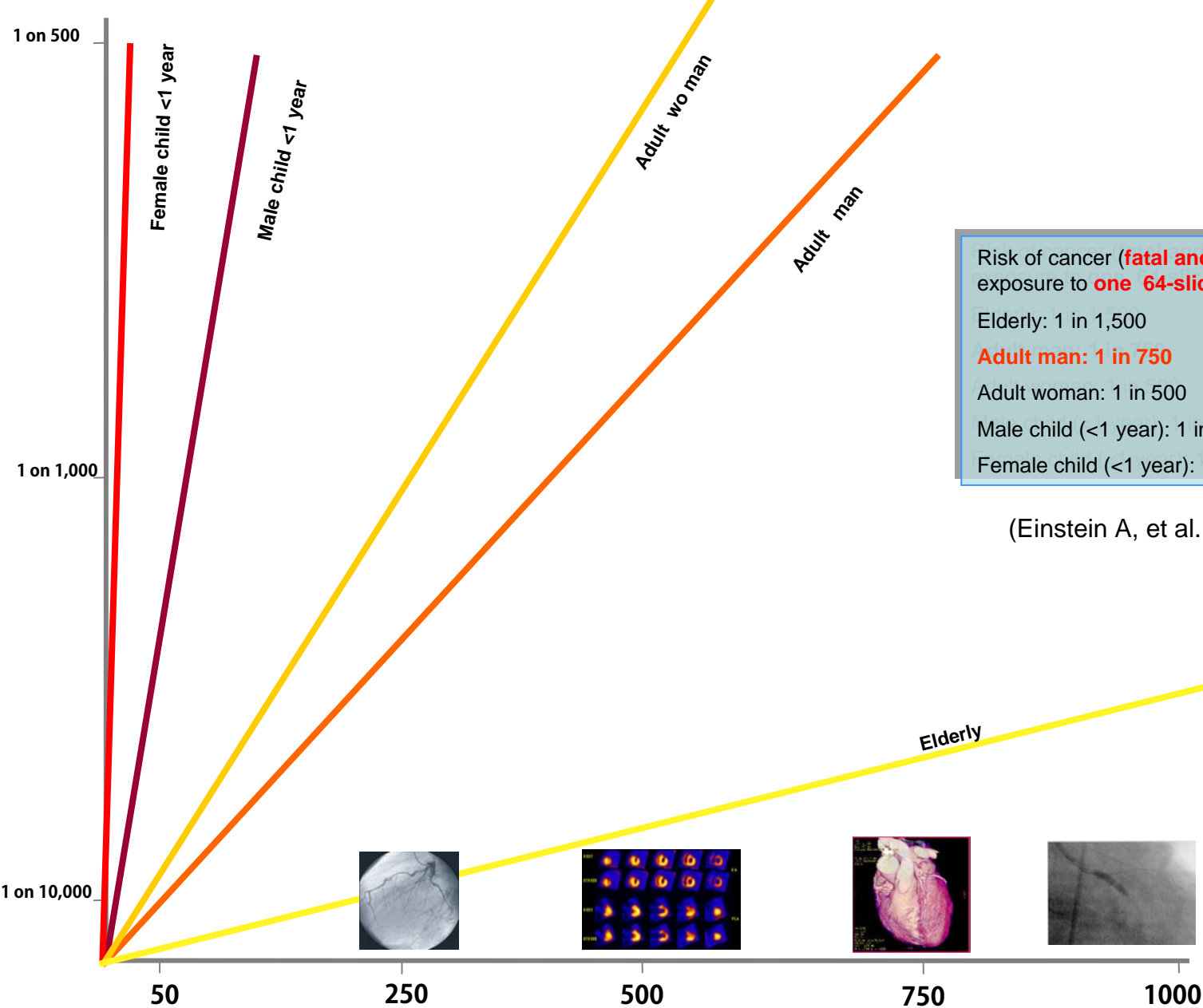


Picano et al.

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Additional risk of **cancer/exam**



Risk of cancer (**fatal and non-fatal**) for exposure to **one 64-slice coro-CT**

Elderly: 1 in 1,500

**Adult man: 1 in 750**

Adult woman: 1 in 500

Male child (<1 year): 1 in 200

Female child (<1 year): 1 in 100

(Einstein A, et al. JAMA 2007)

Equivalent number of chest x-rays

MRI, US

# Circulation

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## AHA Science Advisory

### **Ionizing Radiation in Cardiac Imaging**

**A Science Advisory From the American Heart Association Committee on Cardiac Imaging of the Council on Clinical Cardiology and Committee on Cardiovascular Imaging and Intervention of the Council on Cardiovascular Radiology and Intervention**

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Michael F. McNitt-Gray, PhD; Fred A. Mettler, MD; Jennifer H. Mieres, MD, FAHA;  
Richard L. Morin, PhD; Michael V. Yester, PhD

# Checklist to start: the human factor

	To start	To lead	To keep competent	Top level
<i>Competence in resting TTE</i>	√			
<i>BLS and ALS certification</i>	√			
<i>Experience with exercise-ECG</i>	√			
<i>100 stresses under qualified superv</i>		√		
<i>100 stress echo studies per year</i>			√	
<i>Familiarity with all stresses (exerci</i>				√
<i>Mixed caseload (ischemia, valvular</i>				√
<i>Appropriateness verification</i>				√