

## Daniela Cardinale, MD, PHD

Place of Birth: Milan - Italy  
Date of Birth: 01<sup>st</sup> Sept. 1961  
Citizenship: Italian  
Languages: Italian; English

### Education and PHD

1987 - Medicine Degree, University of Milan;  
1992 - Specialization in Cardiology, University of Milan  
2008 - PhD in Cardiovascular Physiopathology, University of Milan.

### Titles

1987 – 1990 Internal Physician, Coronary Unit, Monzino Cardiology Centre, I.R.C.C.S, Milan  
1990 – 1994 Consultant Cardiologist, Cardiology Division, S. Raffaele Hospital, I.R.C.C.S, Milan  
1995 – 2001 Assistant Cardiologist, Cardiology Unit, European Institute of Oncology, I.R.C.C.S, Milan  
2002 – 2004 Vice Director, Cardiology Unit, European Institute of Oncology, I.R.C.C.S, Milan  
2005 – 2011 Senior Vice Director, Cardiology Unit, European Institute of Oncology, I.R.C.C.S, Milan

Since 2011 Director, Cardioncology Unit; Cardiology Division, European Institute of Oncology, I.R.C.C.S, Milan

### Affiliations

- International Cardioncology Society (Vice-President)
- Italian Society of Cardiovascular Echography
- Interdisciplinary Study Group (SiBioC-ANMCO): Cardiovascular Clinical Biochemistry.

### Clinical Activities carried out at IEO

Since April 2009; she has been the Head of the first Cardioncology out-patient clinic in Italy, whose main areas of competence are:

- cardiac risk stratification in patients scheduled for oncologic treatment;
- prevention, early detection, monitoring and treatment of cardiotoxicity;
- screening of cardiotoxicity in patients with cardiac disease
- malignant pericardial effusion evaluation and intrapericardial treatment

### Research Activities carried out at IEO

Head of the scientific research activities of the Cardiology Unit at European Institute of Oncology – Milan  
Main fields of scientific interest:

#### **\*Cardio-toxicity caused by chemotherapeutics:**

##### Early diagnosis:

- use of biochemical markers in the early identification of heart damage and in the stratification of cardiovascular risk after oncologic treatment;
- evaluation of the potential cardiotoxicity of new chemotherapeutic drugs using biochemical markers and electrocardiographic monitoring.
- Evaluation of endothelial damage of antitumoral agents.

##### Prevention:

- use of cardio-prospective drugs to prevent acute and chronic damage caused by chemotherapeutic drugs.

##### Treatment:

- treatment strategies of cardiomyopathy induced by chemotherapeutic drugs

#### **\*Prevention and treatment of post-surgery atrial fibrillation**

*\*Intrapericardial therapy of malignant effusions*

*\*Cardiovascular risk stratification in patients undergoing cancer surgery*

### **Passed Clinical and Research Activities**

At the Coronary Unit - Monzino Cardiology Centre:

- Application of ultra-filtering in the treatment of unresponsive cardiac failure.

At the Division of Cardiology – San Raffaele Hospital – Milan:

- Evaluation of residual-tissue vitality after myocardial infarction with positron emission tomography (PET).

### **Publications**

Author of more than 110 publications on national and international journals and reviewer for the following scientific journal: Journal of American College of Cardiology, Heart, European Journal of Echocardiography, International Journal of Cardiology, Drug Safety, Haematologica, Journal of Chemotherapy, Italian Heart Journal.

### **Congresses and Teaching**

Speaker at national and international conferences. Teacher at courses and seminars of the Italian Association of Hospital Cardiologists, of the Italian Society of Cardiology, of the Cardiovascular Clinical Biochemistry Study Group, of the School of Specialization in Cardiology of the University of Milan, of the Institute of Clinical Physiology of the C.N.R., of the Italia Society of Cardiovascular Echocardiography, of the Italian Association of Medical Oncology, and of the Italian Society of Haematology.