



## CURRICULUM VITAE

Lanfroi Graziani MD, FSCAI, Interventional Cardiologist.

**Date of Birth:** 12<sup>th</sup> September 1951

**Place of Birth:** Porto San Giorgio, Italy

**Spoken Languages:** Italian, English.

**Graduation:** Medical Doctor at the University of Perugia Medical School in March 1977.

**Fellowship:** Specialized in Radiology and Cardiology at the University of Siena and at the University of Ancona with Honors, in 1981 and 1994, respectively, discussing his personal experience in coronary atherectomy and stenting.

**Previous Posts & Experience** Staff of the Radiology department of the "Umberto 1<sup>st</sup>" General Hospital in Ancona from 12<sup>th</sup> March 1980 to November 1988, performing angiography and peripheral interventions.

From December 1988 to February 1994, senior staff cardiovascular radiologist of the specialized "Lancisi Cardiology Hospital" in Ancona, performing cardiac catheterizations and coronary interventions.

The first physician who performed coronary stenting and atherectomy in that hospital.

From March 1994 to February 1998, head of the vascular and Interventional Radiology Section Department of Radiology of the "Umberto 1<sup>st</sup>" General Hospital in Ancona.

Since March 1998: Head of Interventional Cardiology of "Città di Brescia" Clinical Institute and "Sant'Anna" Clinical Institute (2003-2017) in Brescia, performing coronary, peripheral, and carotid interventions.

During the last 26 years, he has performed and certificated more than 20.000 peripheral interventions, 850 carotid stenting, and about 5.000 coronary interventions, the majority

in diabetic subjects, with his Officially Certificated Incidence of complications and deaths, over a period of fifteen consecutive years (**attached**).

His Department in Brescia is considered the national referring center for difficult, challenging, and high-risk cases, particularly in diabetic and dialyzed subjects.

1999 – 2003 Interventional cardiology consultant at “Villa Torri” Cardiovascular Hospital in Bologna.

2003 – 2006 Consultant in peripheral interventions at the Diabetic Foot Center of Abano Terme Hospital.

In 1984, he started developing and using coronary interventional techniques in below-the-knee arteries in diabetic patients at risk of limb loss.

Professor at the Specialization School in Radiology of the University of Ancona from 1989 to 1998.

Visiting Doctor in the Section of Vascular and Interventional Radiology (Head Dr. G.K. McLean) - Department of Radiology, Hospital of the University of Pennsylvania, Philadelphia, (USA) from June to September 1984 and August to September 1986.

Visiting doctor in the Unité de Cardiologie Interventionelle (Head Dr. Jean Marco) of the Clinique Pasteur in Toulouse (France) in March 1992.

Prized by the President of the Italian Republic, on 27 December 1996, of the honorable distinction of Knight of the Order: To the Merit of the Italian Republic for professional merits.

Author of about 100 scientific papers, mainly of them focused on extreme vascular interventions in diabetics, published in important scientific international journals.

Author of four books on vascular and interventional radiology, one of them being the first to be published in Italian.

Faculty, co-director, and director in about 85 post-graduate national and international medical courses and speaker in about 170 national and international scientific meetings.

Director of the 2006, 2008, 2010, and 2012 International Venice Course on Extreme Vascular Interventions.

A pioneer in below-the-knee intervention and the first one who described and published, during the last fifteen years, almost all the innovative endovascular techniques currently

used for leg and foot artery recanalization in diabetics for limb salvage, including the popular Pedal Plantar Loop technique.

He performed most of the procedures in the first two significant series worldwide, published in 2002 and 2005, showing the excellent results of his innovative approach and techniques in diabetic subjects at risk of major amputation.

In October 2009, a nominated member of the IWGDF "PAD & Diabetes" Working Group wrote the "2011 evidence-based International Diabetes Federation (IDF) International Consensus Guidelines for the treatment of PAD in the Diabetic Foot".

In January 2016, I was elected a Fellow of the Society for Cardiovascular Angiography and Interventions (FSCAI).

### **Some Recent Publications:**

- Graziani L.: Crossing the Rubicon: A Closer Look at the Pedal Loop Technique. *Ann Vasc Surg* 2017;45:315–323
- Graziani L.: Comprehensive Approach to Management of Critical Limb Ischemia. *Curr Treat Options Cardio Med* 2014; 16:332. New York, NY Springer Inc.
- Graziani L, Jaff MR.: Drug-eluting Balloons: Are These Failed Solutions for the Treatment of Below-the-knee Peripheral Artery Disease? Letter to the Editor. *Ann Vasc Surg* 2014;28:1078-1079
- Graziani L.: Loop Technique Recanalization for Plantar Arch Reconstruction; Use of Collateral branches in the treatment of Tibial arteries chronic total occlusions (CTOs); Endovascular treatment of Buerger's Disease. In: Dieter RS, Dieter R III, Dieter R Jr, Nanjundappa A. eds. *Endovascular Interventions: A Case-Based Approach to Methods and Procedures*. New York, NY: Springer Inc; 2014;pag.669-764.
- Aiello A, Anichini R, Graziani L, et al.: Treatment of peripheral arterial disease in diabetes: a consensus of the Italian Societies of Diabetes (SID, AMD), Radiology (SIRM) and Vascular Endovascular Surgery (SICVE). *Nutr Metab Cardiovasc Dis*. 2014;24:355-369.
- Graziani L, Morelli L, Parini F, Franceschini L, Spano P, Calza S, Sigala S.: Clinical Outcome After Extended Endovascular Recanalization in Buerger's Disease in 20 Consecutive Cases. *Ann Vasc Surg* 2012;26:387-395.
- Piaggese A, Graziani L.: Integrated Management of the Ischemic Diabetic Foot. *Diabetes Management* 2011;1:53-65.
- Graziani L, Morelli L.: Combined Retrograde–Antegrade Arterial Recanalization Through Collateral Vessels: Redefinition of the Technique

for Below-the-Knee Arteries. *Cardiovasc Intervent Radiol* 2011;34:S78-S82.

- Graziani L.: Concerns on Article: The Impact of Isolated Tibial Disease on Outcomes in the Critical Limb Ischemic Population. *Ann Vasc Surg* 2010;24:349-359. *Ann Vasc Surg* 2010; 24: 1156-1157.
- Graziani L, Wallner H: Tibioperoneal segment. In: Schillinger M, Minar E Eds: *Complex Cases in Peripheral Vascular Interventions*. 2010 Informa UK Ltd, London, pagg. 220-238.
- Graziani L, Piaggese A: Indications and Clinical Outcomes for Below Knee Endovascular Therapy: Review Article. *Catheter Cardiovasc Intervent* 2010;75:433-443.
- Graziani L, De Carlo M: Combined Retrograde-Antegrade External Iliac Artery Occlusion Recanalization Through Collaterals: Description of a New Technique. *Cardiovasc Intervent Radiol*. 2009;32:1097-100.
- Graziani L.: Angioplastica nel paziente diabetico. *G It Diabetol Metab* 2008;28:147-153.
- Silvestro A, Civelli P, Laffranchini G, Troianiello B, Graziani L: Influence of anatomical factors on the feasibility and safety of carotid stenting in a series of 154 consecutive procedures. *Journal of Cardiovascular Medicine*. 2008;9:137-141.
- Graziani L, Silvestro A, Monge L, et al: Transluminal angioplasty of peroneal artery branches in diabetics: initial technical experience. *Cardiovasc Interv Radiol*. 2008;31,49-55.
- Minar E, Graziani L. Complications in tibioperoneal interventions, in: Shillinger M, Minar E Eds: *Complications in Peripheral Vascular Interventions*. 2007 Informa UK Ltd, London; p 201-207.
- Graziani L, Silvestro A, Bertone V, Manara E, Alicandri A, Parrinello G, Manganoni A: Percutaneous Transluminal Angioplasty is feasible and effective in patients on chronic dialysis with severe peripheral artery disease. *Nephrol Dial Transplant*. 2007;22:1144-1149.
- Graziani L, Silvestro A, Bertone V, Manara E, Andreini R, Sigala A, Mingardi R, De Giglio R: Vascular Involvement in Diabetic Subjects with Ischemic Foot Ulcer: A New Morphologic Categorization of Disease Severity. *Eur J Vasc Endovasc Surg*. 2007;33:453-460.
- Graziani L, Silvestro A: *Alternative approaches in critical limb ischemia*. London ,UK: Gosling ed.; 2006. *Clinical Vision*;17:2-7
- Baumgartner I, Schainfeld R, Graziani L: Management of peripheral vascular disease. *Annual Review of Medicine*. 2005;56:249-272.
- Faglia E, Dalla Paola L, Clerici G, Clerissi J, Graziani L, Fusaro M, Gabrielli L, Losa S, Stella A, Gargiulo M, Mantero M, Caminiti M, Ninkovic S, Curci V, Morabito A: Peripheral Angioplasty as the First-choice Revascularization Procedure in Diabetic Patients with Critical Limb Ischemia: Prospective Study of 993 Consecutive Patients Hospitalized and

Followed Between 1999 and 2003. Eur J Vasc Endovasc Surg. 2005;29:620-627.

- Faglia E, Mantero M, Caminiti M, Caravaggi C, De Giglio R, Pritelli C, Clerici G, Fratino P, De Cata P, Dalla Paola L, Mariani G, Poli M, Settembrini PG, Sciangula L, Morabito A, Graziani L: Extensive use of peripheral angioplasty, particularly infrapopliteal, in the treatment of ischaemic diabetic foot ulcers: clinical results of a multicentric study of 221 consecutive diabetic subjects. Journal of Internal Medicine. 2002;252:225-232.
- Inglese L, Graziani L, Tarricone R.: Il trattamento percutaneo delle arteriopatie ostruttive periferiche: i perché di una scelta. Ital Heart J Suppl 2000;1:1138-1147.
- Graziani L.: Percutaneous recanalization of total iliac and femoro-popliteal artery occlusions. Eur J Radiol. 1987;7:91-93.

December 2024

A handwritten signature in black ink, appearing to read "Loris Graziani". The signature is written in a cursive, flowing style.

Attachment:



ISTITUTI OSPEDALIERI  
BRESCIANI

Brescia, June 25, 2015

To whom it may concern,

The hereby Chief Executive Officer certifies that Dr. Lanfoi Graziani, Interventional cardiologist, Head of Interventional cardiology Unit of Istituto Clinico Città di Brescia Hospital and Istituto Clinico S. Anna Hospital in Brescia, Italy, during the last 15 years, performed the procedures as listed below.

In about 90% of cases he was the first operator.

Those data are on files by the Local, Regional and National Health Authority, and the Ministry of Health.

ISTITUTO CLINICO CITTA' DI BRESCIA HOSPITAL  
ISTITUTO CLINICO S. ANNA HOSPITAL  
BRESCIA (ITALY)

**15 YEARS STATISTICS\*: January 1, 2000 – December 31, 2014**

	ENDOVASCULAR PROCEDURES		
	PERIPHERAL INTERVENTIONS	CAROTID STENTING	CORONARY INTERVENTIONS
MALE	7.264	376	2.254
FEMALE	3.373	170	1.048
REGIONAL	5.912	384	2.789
NATIONWIDE	4.725	162	513
<b>TOTAL</b>	<b>10.637</b>	<b>546</b>	<b>3.302</b>
IN-HOSPITAL MAJOR COMPLICATIONS	7 (0.06%)	2 (0.36%)	15 (0.45%)
IN-HOSPITAL MORTALITY	3 (0.02%)	1 (0.18%)	3 (0.09%)

\*Computerized Coding Analysis according to ICD-9-CM1997 (Grouper HCFA-DRGs, Version 14.0)  
According to the related Italian Laws and Regulations (D.lgs. 502/1992, art. 5; D.l. 517/1993)

Regards.

Dr. Ing. Marco Centenari CEO  
Istituto Clinico Città di Brescia Hospital and  
Istituto Clinico S. Anna Hospital