

CURRICULUM VITAE

TOMMASO GORI, MD, PhD

April 2005

Date of Birth 1973, February 24th
Place of birth Siena, Italy
E-Mail Address tommaso.gori@utoronto.ca

Employment

2004-present: Contract Professor, University of Siena, Italy
2003: Postdoctoral Fellow, University of Toronto, Canada.

Areas of Experience

Research: Vascular biology, physiology and pharmacology. Invasive cardiology, coronary stenting.
Clinical Practice: Echocardiography. Interventional cardiology.

Education

Specialist in Cardiology, School of Cardiology, University of Siena, 2003.
PhD, School of Graduate Studies, University of Toronto, 2003.
Medical Doctor degree, University of Siena, Italy, Faculty of Medicine and Surgery. Final Mark: 110/110 magna cum laude. Overall test average 29/30, 1997.
High School Diploma, Liceo Scientifico "G. Galilei" (High School studies), Siena. Final Mark: 58/60, 1991.

Licensure

1998 Admission to the "Ordine dei Medici e dei Chirurghi della Provincia di Siena" (College of Physicians). Final Mark: 109/110. Registration # 3692.

Internships

1999-2003 Ph.D. Degree, University of Toronto, Canada. Thesis title: "New evidence concerning the role of the endothelial nitric oxide synthase and reactive oxygen species in the development of nitrate tolerance". Supervisor: prof. JD Parker.
1997 M.D. Thesis (translation from Italian title): "Evaluation of the nutritional status and its relationships with cognitive functions, self-sufficiency and cardiovascular system in an elderly nursing home population". University of Siena, Italy. Supervisor: prof. S Forconi.
1991-1997 Internships in the "Istituto di Medicina Interna e Geriatria" (Division of Internal Medicine and Geriatrics), Director prof. S. Forconi, and the Laboratory of Medical Genetics, Department of Molecular Biology. Director prof. A Ballabio, prof. M De Marchi.

Publications (peer-reviewed)

Papers

1. Fineschi M, Tsioulpas C, Gori T, Di Ciolla F, Iadanza A, Maccherini M, Pierli C. Recurrent restenosis in a patient with cardiac allograft vasculopathy. After angioplasty and sirolimus, paclitaxel saves the day. *Int. J. Cardiol.* 2006;
2. Fineschi M, Gori T, Pierli C, Bravi A. In-stent Restenosis or late in-stent thrombosis?. *Heart*, in press
3. F Liistro, M Fineschi, P Angioli, G Sinicropi, G Falsini, T Gori, K Ducci, A Bravi, L Bolognese Effectiveness and Safety of Sirolimus Stent Implantation for Coronary In-Stent Restenosis: the TRUE (Tuscany Registry of sirolimus for Unselected in-stent rEstenosis) registry. *J Am Coll Cardiol*, 2006; 48 (2): 270-5
4. M Fineschi, T Gori. The role of BMS in the drug eluting stent era: is still there a place for them? *Catheter Cardiovasc Interv*, 2006; 68 (3): 456.
5. T Gori. Oil and Ischemic Reactive Hyperemia in Hypercholesterolemic Patients. *J Am Coll Cardiol*, 2006; 48(2): 414.
6. S Dragoni, G Di Stolfo, S Sicuro, M Lisi, JD Parker, S Forconi, T Gori. Postconditioning Fails to Prevent Radial Artery Endothelial Dysfunction Induced by Ischemia and Reperfusion. Evidence From a Human In Vivo Study. *Canadian Journal of Physiology and Pharmacology*, 2006; (6): 611-615
7. T Gori, M Lisi, S Forconi. Ischemia and reperfusion: the endothelial perspective. A radical view. *Clinical Hemoreology and Microcirculation*. 2006; 35 (1-2): 31-34
8. T Gori, G Di Stolfo, S Sicuro, S Dragoni, G Di Stolfo, J D Parker, S Forconi. The effect of ischemia and reperfusion on microvascular function: a human in vivo comparative study with conduit arteries. *Clinical Hemoreology and Microcirculation*. 2006; 35 (1-2): 169-173
9. S Dragoni, T Gori, S Sicuro, G Di Stolfo, S Forconi, JD Parker. Folic acid does not limit endothelial dysfunction induced by ischemia and reperfusion. a human study. *Journal of Cardiovascular Pharmacology*. 2005; 46(4): 494-7
10. M Fineschi, G Sinicropi, T Gori. The “echostenotic” reflex. *Heart*. 2006; 92(3): 300.
11. M Fineschi, T Gori, C Pierli, S Casini, G Sinicropi, A Buti, A Del Pasqua, A Bravi. Outcome of percutaneous hybrid coronary revascularization: bare metal stents jeopardize the benefit of sirolimus eluting stents in the real world. *Canadian Journal of Cardiology*. 2005; 21(14):1281-5.
12. G Donati, T Gori, S Forconi. A fat cough. *International Journal of Cardiology*. 2005; 102(2): 375.
13. T Gori, S Forconi. The role of reactive free radicals in ischemic preconditioning – clinical and evolutionary implications. *Clinical Hemorheology and Microcirculation*. 2005; 33(1):19-28.
14. T Gori, M Fineschi, JD Parker, S Forconi. Therapy with organic nitrates: newer ideas, more controversies. *Italian Heart Journal*. 2005; 6(7): 541-8.
15. T Gori, S Sicuro, S Dragoni, G Donati, S Forconi, JD Parker. Sildenafil Prevents Endothelial Dysfunction Induced by Ischemia and Reperfusion via Opening of ATP-Sensitive K Channels. A Human in vivo Study. *Circulation*, 2005; 111(6):742-6.

16. T Gori*, P Harvey*, JS Floras, JD Parker. Continuous therapy with nitroglycerin impairs flow-mediated vasodilatation but does not cause nitrate tolerance in conductance arteries. *Journal of Cardiovascular Pharmacology* 2004; 44(5): 601-6. * These authors equally contributed to the study.
17. T Gori, JD Parker. Long-term therapy with organic nitrates: the pros and cons of nitric oxide replacement therapy. *J Am Coll Cardiol* 2004; 44(3): 632-3.
18. A Iadanza, T Gori, M Fineschi, C Pierli. Double right aortic sinus inlet of the right coronary artery. *Heart* 2004; 90(4): 367.
19. M Fineschi, G Sinicropi, T Gori, A Bravi. Polytetrafluoroethylene(PTFE)-covered stents for the treatment of coronary artery aneurysms. *Heart* 2004; 90(5): 490.
20. T Gori, A Al-Hesayen, C Jolliffe, JD Parker. Comparison of the Effects of Pentaerythritol Tetranitrate and Nitroglycerin on Endothelium-Dependent Vasorelaxation in Male Volunteers. *Am J Cardiol* 2003; 91(11): 1392-4.
21. T Gori, L Saunders, S Ahmed, JD Parker. Effect of Folic Acid on Nitrate Tolerance in Healthy Volunteers: Differences between Arterial and Venous Circulation. *J Cardiovasc Pharmacol* 2003;41(2):185-90.
22. T Gori, JD Parker. The puzzle of nitrate tolerance: pieces smaller than we thought? *Circulation* 2002; 106: 2404-8.
23. T Gori, JD Parker. Nitrate tolerance: a unifying hypothesis. *Circulation* 2002; 106: 2510-3.
24. T Gori, JS Floras, JD Parker. Effects of nitroglycerin treatment on baroreflex sensitivity and short-term heart rate variability in humans. *J Am Coll Cardiol* 2002; 40(11): 2000-5.
25. JD Parker, T Gori. Tolerance to the Organic Nitrates: New Ideas, New Mechanisms, Continued Mystery. *Circulation* 2001; 104: 2263-5.
26. T Gori, J Burstein, S Ahmed, S Miner, A Al-Hesayen, JD Parker. Folic acid prevents nitroglycerin-induced nitric oxide synthase dysfunction and nitrate tolerance. *Circulation* 2001; 104 (10): 1119-23.
27. T. Gori, SS Mak, S. Kelly, JD Parker. Evidence Supporting Abnormalities in Nitric Oxide Synthase Function Induced by Nitroglycerin in Humans. *J Am Coll Cardiol* 2001; 38 (4): 1096-101.
28. U Jurt*, T Gori*, A Ravandi, S Babaei, P Zeman, JD Parker. Differential effects of pentaerythritol tetranitrate and nitroglycerin on oxidative stress and nitrate tolerance development. A human in vivo study. *J Am Coll Cardiol*. 2001; 38 (3): 854-9. * These authors equally contributed to the study.
29. D Ricci, T Gori, G Donati, K Schurfeld, S Forconi. Embolizing mobile thrombus associated with prolapse and mixoid degeneration of the mitral valve. *Int J Cardiol* 2000; 74 (4): 239-40.

Abstracts

30. Thomas G, Difabio J, Gori T, Parker JD. Chronic therapy with Isosorbide-5-mononitrate causes endothelial dysfunction in humans: evidence for a free radical based mechanism. *European Heart Journal* 2006

31. Dragoni S, Gori T, Daiber A, Di Stolfo G, Sicuro S, Lisi M, Forconi S, Munzel T, Parker JD. Nitroglycerin protects the endothelium from ischemia and reperfusion: in vitro and human in vivo mechanistic insight. *European Heart Journal* 2006
32. G Di Stolfo, S Sicuro, S Dragoni, M Lisi, S Forconi, T Gori. The effect of ischemia and reperfusion on microvascular function: a human in vivo comparative study with conduit arteries. *Italian Society of Internal Medicine. Perugia May 6th, 2006*
33. S Dragoni, G Di Stolfo, S Sicuro, Monica Lisi, S Forconi, T Gori. Nitroglycerin Protects the Endothelium from Ischemia and Reperfusion: in vitro and Human in vivo Mechanistic Insight. *Italian Society of Internal Medicine. Perugia May 6th, 2006*
34. T Gori, S Sicuro, S Dragoni, G Di Stolfo, G Donati, C Pierli, S Forconi, JD Parker. Endothelial protective effect of phosphodiesterase V inhibition in the setting of ischaemia and reperfusion. A human in vivo study. *European Heart Journal* 2005; 26: 264
35. M Fineschi, T Gori, C Pierli, S Casini, G Sinicropi, A Buti, A Bravi. Restenosis after sirolimus eluting stent implantation: a rare but challenging condition. Data from a real-world experience. *European Heart Journal* 2005; 26: 624
36. G Di Stolfo, S Dragoni, S Sicuro, S Forconi, T Gori. No effect of ischaemia and reperfusion on microvascular function: a human in vivo comparative study with conduit arteries. *European Heart Journal* 2005; 26: 726
37. T Gori, S Dragoni, G Di Stolfo, C Pierli, S Sicuro, G Donati, S Forconi, JD Parker. Sildenafil prevents endothelial damage induced by ischemia and reperfusion via K-ATP channel opening. A human in vivo study. *Journal of the American College of Cardiology* 2005; 45(3): 425A
38. M Fineschi, T Gori, M Del Sordo, C Pierli, S Casini, G Sinicropi, A Buti, A Bravi. Long-term results of the treatment of in-stent restenosis with sirolimus-eluting stents. *Italian Heart Journal* 2004; 5 (9): 169S
39. T Gori, S Dragoni, G Di Stolfo, C Pierli, S Sicuro, G Donati, S Forconi, JD Parker. Sildenafil prevents endothelial damage induced by ischemia and reperfusion via K-ATP channel opening. A human in vivo study. *Italian Heart Journal* 2004; 5 (9): 104S
40. M Fineschi, T Gori, C Pierli, S Casini, G Sinicropi, A Buti, A Del Pasqua, A Bravi. Outcome of hybrid percutaneous coronary revascularization: comparison of bare metal and sirolimus-eluting stents. *Italian Heart Journal* 2004; 5 (9): 37S
41. M Fineschi, T Gori, M Del Sordo, C Pierli, S Casini, G Sinicropi, A Buti, A Bravi. Long-term results of the treatment of in-stent restenosis with sirolimus-eluting stents. *American Journal of Cardiology* 2004; 94 (suppl 6): 208S
42. M Fineschi, T Gori, M Del Sordo, C Pierli, S Casini, G Sinicropi, A Buti, A Bravi. Sirolimus eluting stent for in stent restenosis in the real world: 6-months clinical and angiographic follow-up in a single-centre experience. *American Journal of Cardiology* 2003; 93 (suppl 6): 200S
43. M Fineschi, G Sinicropi, T Gori, A Bravi. Polytetrafluoroethylene (PTFE)-covered stents for the treatment of coronary artery aneurysms. *Italian Heart Journal* 2003 (4 suppl 6): 38
44. M Fineschi, T Gori, M Del Sordo, C Pierli, S Casini, G Sinicropi, A Buti, A Bravi. Sirolimus-eluting stents for in-stent restenosis in the real world: 6-months clinical and angiographic follow-up in a single center experience. *Italian Heart Journal* 2003 (4 suppl 6): 38
45. T Gori, P Harvey, JS Floras, S Forconi, JD Parker. Continuous therapy with organic nitrates impairs conductance artery endothelium-dependent dilation but does not affect vasodilator responses to nitroglycerin – a human in vivo study. *Italian Heart Journal* 2003 (4 suppl 6): 222

46. T Gori, P Harvey, JS Floras, JD Parker. Continuous therapy with nitroglycerin impairs flow-mediated vasodilatation but does not cause nitrate tolerance in conductance arteries. *European Heart Journal* 2003 (24): 317
47. T Gori, A Al-Hesayen, C Jolliffe, JD Parker. Comparison of the effects of pentaerythritol tetranitrate and nitroglycerin on endothelium-dependent vasorelaxation in humans. *European Heart Journal* 2003; (24): 318
48. T Gori, JD Parker. Nitroglycerin-induced endothelial dysfunction and nitrate tolerance: preventive effect of folic acid. *Circulation* 2001; 104 (17): II-331.
49. T Gori, JS Floras, JD Parker. Nitroglycerin blunts the gain of the baroreceptor-heart rate reflex. *Circulation* 2001; 104 (7): II-740.
50. T Gori, J Burstein, A Al-Hesayen, S Ahmed, JD Parker. The effect of folic acid on nitric oxide synthase dysfunction and nitroglycerin tolerance. *Can J Cardiol* 2001; 17 (suppl C): 130C.
51. T Gori, A Al-Hesayen, J Burstein, S Ahmed, JD Parker. Evidence of an endothelium mediated vasomotor effect of nitroglycerin. *Can J Cardiol* 2001; 17 (suppl C): 156C.
52. T Gori, JS Floras, JD Parker. The effect of nitroglycerin treatment on baroreflex sensitivity. *Can J Cardiol* 2001; 17 (suppl C): 205C.
53. T Gori, J S Floras, JD Parker. The effect of nitroglycerin on the autonomic control of the arterial baroreflex. *European Heart Journal* 2001; 22 (suppl): 107.
54. T Gori, A Al-Hesayen, J Burstein, S Ahmed, J D Parker. The effect of nitric oxide synthase inhibitors on nitroglycerin-induced vasorelaxation. A human in vivo study. *European Heart Journal* 2001; 22 (suppl): 169.
55. T Gori, A Al-Hesayen, J Burstein, S Ahmed, JD Parker. Nitroglycerin-induced endothelial dysfunction and nitrate tolerance. *Scientific Conference on Molecular, Integrative, and Clinical Approaches to Myocardial Ischemia*. Seattle, Washington, August 9-11 2001.
56. T Gori, JD Parker. Abnormalities in nitric oxide synthase function induced by nitroglycerin treatment. *JACC*. 2001; 2 (suppl A): 413.
57. T Gori, SS Mak, S Kelly, JD Parker. Nitroglycerin therapy causes endothelial dysfunction in humans. Poster presentation, *International Conference on Nitrate Therapy*, Düsseldorf, Germany, 25 Aug 2000.
58. U Jurt, T Gori, JD Parker. Pentaerythrityl tetranitrate therapy is not associated with the development of tolerance. *European Heart Journal*. 2000; 21: S438.
59. T Gori, D Ricci, ML Mazzi, S Forconi. Anche se il cuore pompa bene... (Even if the heart pumps well...). Case report. *Forum Clinico, Meeting on Internal Medicine*. Florence May 1999.
60. T Gori, A Palazzuoli, D Ricci, S Forconi. Stroke cardioembolico associato a trombosi mobile, polilobulata, su degenerazione mixomatosa della mitrale (Cardioembolic stroke associated with a polilobulated, mobile thrombosis and mixoid degeneration of the mitral valve). *Stroke* 99, Meeting on cerebrovascular diseases. Florence, Italy, February 1999.
61. A Palazzuoli, D Ricci, T Gori, S Forconi. Un caso di ischemia cerebrale da fibrelastoma papillare mitralico risolto con fibrinolisi locoregionale (A case of stroke from an embolizing papillary fibroelastoma resolved with regional fibrinolysis). *Stroke* 99, Meeting on cerebrovascular diseases. Florence, Italy, February 1999.
62. S Battistelli, G Manasse, D Ricci, R Gaudio, A Palazzuoli, T Gori. Plasma endothelin-1 in acute myocardial infarction complicated or not by left ventricular failure. *XI Congress of the Società Italiana per lo Studio della Aterosclerosi*?. Vibo Valentia, Italy. December 1997.

Books or book chapters

“Microcirculation”. Author Tommaso Gori, Edited by Centro scientifico Editore, Torino, Italy, 2005.

Editorship

Proceedings of the XIII Conference of the European Society of Clinical Hemorheology and Microcirculation

Clinical Studies

COMET (Carvedilol Or Metoprolol European Trial), co-investigator

INVEST (International Verapamil Trandolapril Study), co-investigator

Grants and Awards

2003 Canadian Institute for Health Research, Research Grant, principal investigator John D Parker (total amount 395000CDN\$).

2004 Italian Ministry of Research, Research Grant within the “Rientro dei Cervelli” project.

2003 University of Siena, Italy. Research Grant (PAR project).

2003 Canadian Institute for Health Research, Research Grant, principal investigator John D Parker (total amount 380000CDN\$).

2002 University of Toronto, Institute of Medical Sciences, Laidlaw prize for the best research paper of the year

2001 University of Siena, Italy. Research Grant within the project “Giovani Ricercatori”

2001 American Heart Association – S.A. Levine Young Investigator Award - First Place

2001 American College of Cardiology - Young Investigator Award - First Place

2001 Heart and Stroke Foundation of Ontario, Canada. Mc Gloin Fellowship for highest rated trainee in Ontario

2001 Heart and Stroke Foundation of Ontario, Canada - Research Fellowship

2001 Second MSH and UHN Annual Department of Medicine Research Competition – Third Place

2001 University of Toronto, Cardiovascular day - Best Poster

2001 and 2002 Joint meeting of the American Society of Clinical Investigation and the American Association of physicians - Trainee Travel Award

2000 Institute of Medical Sciences, University of Toronto, Merit Award

2000 International Conference on Nitrate Therapy, Dusseldorf, Germany. Young Investigator Poster Award, Third Place

1999 University of Siena-University of Toronto Exchange Scholarship. Academic Year 2000-2001

1998 University of Siena-University of Toronto Exchange Scholarship. Academic Year 1999-2000

1997 "Caduceo d'Oro", award as the youngest graduate in Medicine for the year 1996-1997

1 Intesa-BCI award for graduation with honours (M.D. degree)

1991-1997 Scholarship award conferred by Enpas Foundation for high Academic standing, 6 years consecutively

1991-1993 University of Siena (fees waived for high academic standing)

Scientific Committee Memberships

2006 Elected secretary of the Italian Society of Vascular Pathology, Toscana and Umbria section.

2005-2009 Italian Society of Clinical Hemorheology and microcirculation, national board member.

2004-2006 Diagnostic Catheterization and Cardiovascular Interventions Committee, Council on Clinical Cardiology, American Heart Association

2003 Leadership Committee, Council on Clinical Cardiology, American Heart Association

2001-2003 Young Clinicians and Investigators Committee, Council on Clinical Cardiology, American Heart Association

Memberships

S.I.C. Società Italiana di Cardiologia (Italian Society of Cardiology)

European Society of Cardiology

American College of Cardiology

American Heart Association

Reviewer for Journals

Circulation

Journal of the American College of Cardiology

Clinical Hemorheology and Microcirculation

International Journal of Cardiology

Current Medicinal Chemistry

American Journal of Cardiology

AHA-ACC guidelines for percutaneous intervention

AHA-ACC guidelines for training in percutaneous intervention

Teaching Appointments

Course of Cardiology, third year program, Specialty in Internal Medicine, University of Siena.
Course of Angiology, second year program, Specialty in Internal Medicine, University of Siena 2005.

Course of endothelial function and vascular physiology, first year program, Specialty in Cardiology, University of Siena, 2004-present.

Lectures and Tutorials, Course of Internal Medicine, MD program, University of Siena. 2004-present.

Student Supervision

2000-2002: Michael Detsky, Laura Saunder, Courtney Jolliffe. University of Toronto, Summer Students

2000: Jason Burstein. University of Toronto, Internal Medicine Resident, research elective.

2003-2006: Giuseppe DiStolfo, Saverio Dragoni, Silvia Sicuro. University of Siena, Internal Medicine and Cardiology Residents; clinical and research.

2004 and 2006: Monica Lisi, Niccolo Francioli. University of Siena, Faculty of Medicine, Undergraduate students; Doctoral thesis.

Other

2003 Chairman, American Heart Association Scientific Sessions

2001-2005 Consulting contracts for Det Norske Veritas (CE marking company), Aventis, 3M

Invited lecturer at national and international conferences

Referee, Heart and Stroke Foundation of Canada, Research Projects, 2005

Industrial patents

1. The role of folic acid in the prevention of nitrate tolerance

Volunteer service

April-June 1999 War in the Balcans, International Aid, Medical volunteer. Special mention of thanking from the Government of the Camp of Shijak-Durres, Albania.