

Curriculum Vitae

Prof. Valerio Sanguigni

-Born in Rome on 20 March 1959.

*- **Degree in Medicine and Surgery** (votes 110/110 with honors) , at the University of Rome "La Sapienza" on 21 July 1983.*

*- **Diploma of Specialization in Cardiology** (votes 70/70 with honors) at the University of Rome "La Sapienza" July 87.*

*- February 1989 winner of the competition for free licenses and examinations and appointed **Assistant Professor for the group of Internal Medicine of the Faculty of Medicine of the University of Rome "Tor Vergata"**.*

-From 'August 1990 until June 2000 (year of start of leave for study and scientific research) has worked with clinical-care assistance capacity exceeding Help Hospital full-time manager of the second level at the Division University of Internal Medicine Vergata in Rome. During that period he worked at the lane welfare and in particular organized and directed the service for cardiovascular diseases.

*From October 2003 until now has directed the **Center of the Hypertension group Bios of Rome**.*

*- Since May 2005 at the Rector is appointed **Aggregate Professor of the Faculty of Medicine of Tor Vergata**.*

*- Since October 2008 he was named among the **experts of the EMEA (Europaen Medicines Agency) in the field of cardiovascular disease***

*- Since 2009 was awarded by the President of Republic of the **honor of Knight of the Republic***

- Ordinary member of the following Scientific Societies:

Italian Society of Cardiology

Italian Society of Internal Medicine

Fellow of the American College of angiology

Fellow of the European Society of Cardiology

Premium member the American Heart Association.

- Reviewer of the following journals:

European Heart Journal

American Journal of Cardiology

Journal of Thrombosis and Haemostasis

Teaching

Since 1989 he worked at teaching facilities at the "Tor Vergata" as follows:

- **Cycles of lessons to students of the School of Medicine** in teaching of Internal Medicine.*
- Theoretical and practical exercises, activities and tutorial guide the development of thesis students for the School of Medicine and and rapporteur of the thesis for degree courses.*
- Since 1994, holder of the Cardiovascular Therapy at the **School of Specialization in Cardiology** at the University of Rome "Tor Vergata"*
- Since 1994, holder of the Cardiovascular Therapy at the **School of Specialization in Internal Medicine** at the University of Rome "Tor Vergata"*
- Since 1999, is the holder of Emergency Medicine at the Master of Science degree in Nursing at the University of Rome "Tor Vergata".*
- Since 2000, is the holder of Internal Medicine in the Course of Science degree in Nursing at the University of Rome "Tor Vergata" .*

Scientific Activities

It summarizes scientific activity in a number of communications presented personally to national and international conferences and publications on major international scientific journals, related cardiovascular diseases

. Particular attention was paid to the study of pathogenetic mechanisms of atherosclerotic disease with the search for new relations between mediators of inflammation, markers of oxidative stress and thrombosis.

Some research has also been devoted to new therapeutic aspects of the atherosclerotic disease .Particular attention was dedicated to the study of pleiotropic effects of statins, through studies in vivo and in vitro.

Scientific Publications on PubMed

(<http://www.ncbi.nlm.nih.gov/pubmed/?term=Sanguigni+V>)

[Reduced atherosclerotic burden in subjects with genetically determined low oxidative stress.](#)

Violi F, Pignatelli P, Pignata C, Plebani A, Rossi P, **Sanguigni V**, Carnevale R, Soresina A, Finocchi A, Cirillo E, Catasca E, Angelico F, Loffredo L.
Arterioscler Thromb Vasc Biol. 2013 Feb;33(2):406-12. doi:
10.1161/ATVBAHA.112.300438. Epub 2013 Jan 3.

[Does NADPH oxidase deficiency cause artery dilatation in humans?](#)

Loffredo L, Carnevale R, **Sanguigni V**, Plebani A, Rossi P, Pignata C, De Mattia D, Finocchi A, Martire B, Pietrogrande MC, Martino S, Gambineri E, Giardino G, Soresina AR, Martino F, Pignatelli P, Violi F.
Antioxid Redox Signal. 2013 Apr 20;18(12):1491-6. doi: 10.1089/ars.2012.4987.
Epub 2012 Dec 7.

[Inherited human gp91phox deficiency is associated with impaired isoprostane formation and platelet dysfunction.](#)

Pignatelli P, Carnevale R, Di Santo S, Bartimoccia S, **Sanguigni V**, Lenti L, Finocchi A, Mendolicchio L, Soresina AR, Plebani A, Violi F.
Arterioscler Thromb Vasc Biol. 2011 Feb;31(2):423-34. doi:
10.1161/ATVBAHA.110.217885. Epub 2010 Nov 11.

[Atorvastatin inhibits oxidative stress via adiponectin-mediated NADPH oxidase down-regulation in hypercholesterolemic patients.](#)

Carnevale R, Pignatelli P, Di Santo S, Bartimoccia S, **Sanguigni V**, Napoleone L, Tanzilli G, Basili S, Violi F.
Atherosclerosis. 2010 Nov;213(1):225-34. doi:
10.1016/j.atherosclerosis.2010.08.056. Epub 2010 Aug 19.

[Atorvastatin inhibits gp91phox circulating levels in patients with hypercholesterolemia.](#)

Pignatelli P, Carnevale R, Cangemi R, Loffredo L, **Sanguigni V**, Stefanutti C, Basili S, Violi F.
Arterioscler Thromb Vasc Biol. 2010 Feb;30(2):360-7. doi:
10.1161/ATVBAHA.109.198622. Epub 2009 Dec 3.

[Hereditary deficiency of gp91\(phox\) is associated with enhanced arterial dilatation: results of a multicenter study.](#)

Violi F, **Sanguigni V**, Carnevale R, Plebani A, Rossi P, Finocchi A, Pignata C, De Mattia D, Martire B, Pietrogrande MC, Martino S, Gambineri E, Soresina AR, Pignatelli P, Martino F, Basili S, Loffredo L.

Circulation. 2009 Oct 20;120(16):1616-22. doi:

10.1161/CIRCULATIONAHA.109.877191. Epub 2009 Oct 5.

[Oxidative stress is associated with arterial dysfunction and enhanced intima-media thickness in children with hypercholesterolemia: the potential role of nicotinamide-adenine dinucleotide phosphate oxidase.](#)

Martino F, Loffredo L, Carnevale R, **Sanguigni V**, Martino E, Catasca E, Zanoni C, Pignatelli P, Violi F.

Pediatrics. 2008 Sep;122(3):e648-55. doi: 10.1542/peds.2008-0735.

[Early decrease of oxidative stress by atorvastatin in hypercholesterolaemic patients: effect on circulating vitamin E.](#)

Cangemi R, Loffredo L, Carnevale R, Perri L, Patrizi MP, **Sanguigni V**, Pignatelli P, Violi F.

Eur Heart J. 2008 Jan;29(1):54-62. Epub 2007 Dec 6.

[Oxidative stress-mediated platelet CD40 ligand upregulation in patients with hypercholesterolemia: effect of atorvastatin.](#)

Pignatelli P, **Sanguigni V**, Lenti L, Loffredo L, Carnevale R, Sorge R, Violi F.

J Thromb Haemost. 2007 Jun;5(6):1170-8.

[LDL are oxidatively modified by platelets via GP91\(phox\) and accumulate in human monocytes.](#)

Carnevale R, Pignatelli P, Lenti L, Buchetti B, **Sanguigni V**, Di Santo S, Violi F.

FASEB J. 2007 Mar;21(3):927-34. Epub 2006 Dec 27.

[Nox2 is determinant for ischemia-induced oxidative stress and arterial vasodilatation: a pilot study in patients with hereditary Nox2 deficiency.](#)

Violi F, **Sanguigni V**, Loffredo L, Carnevale R, Buchetti B, Finocchi A, Tesauro M, Rossi P, Pignatelli P.

Arterioscler Thromb Vasc Biol. 2006 Aug;26(8):e131-2. No abstract available.

[Polyphenols enhance platelet nitric oxide by inhibiting protein kinase C-dependent NADPH oxidase activation: effect on platelet recruitment.](#)

Pignatelli P, Di Santo S, Buchetti B, **Sanguigni V**, Brunelli A, Violi F.

FASEB J. 2006 Jun;20(8):1082-9.

[Early anticoagulant effect of atorvastatin.](#)

Pignatelli P, **Sanguigni V**, Buchetti B, Lenti L, Violi F.

Arterioscler Thromb Vasc Biol. 2005 Dec;25(12):e145; author reply e145-6. No abstract available.

[Vitamin C inhibits platelet expression of CD40 ligand.](#)

Pignatelli P, **Sanguigni V**, Paola SG, Lo Coco E, Lenti L, Violi F.
Free Radic Biol Med. 2005 Jun 15;38(12):1662-6. Epub 2005 Mar 23.

[Short-term treatment with atorvastatin reduces platelet CD40 ligand and thrombin generation in hypercholesterolemic patients.](#)

Sanguigni V, Pignatelli P, Lenti L, Ferro D, Bellia A, Carnevale R, Tesauro M, Sorge R, Lauro R, Violi F.
Circulation. 2005 Feb 1;111(4):412-9.

[CD40 ligand enhances monocyte tissue factor expression and thrombin generation via oxidative stress in patients with hypercholesterolemia.](#)

Sanguigni V, Ferro D, Pignatelli P, Del Ben M, Nadia T, Saliola M, Sorge R, Violi F.
J Am Coll Cardiol. 2005 Jan 4;45(1):35-42.

[gp91phox-dependent expression of platelet CD40 ligand.](#)

Pignatelli P, **Sanguigni V**, Lenti L, Ferro D, Finocchi A, Rossi P, Violi F.
Circulation. 2004 Sep 7;110(10):1326-9. Epub 2004 Jul 12.

[Enhanced platelet release of superoxide anion in systemic hypertension: role of ATI receptors.](#)

Germanò G, **Sanguigni V**, Pignatelli P, Caccese D, Lenti L, Ragazzo M, Lauro R, Violi F.
J Hypertens. 2004 Jun;22(6):1151-6.

[Carnitine inhibits arachidonic acid turnover, platelet function, and oxidative stress.](#)

Pignatelli P, Lenti L, **Sanguigni V**, Frati G, Simeoni I, Gazzaniga PP, Pulcinelli FM, Violi F.
Am J Physiol Heart Circ Physiol. 2003 Jan;284(1):H41-8. Epub 2002 Sep 5.

[Increased superoxide anion production by platelets in hypercholesterolemic patients.](#)

Sanguigni V, Pignatelli P, Caccese D, Pulcinelli FM, Lenti L, Magnaterra R, Martini F, Lauro R, Violi F.
Thromb Haemost. 2002 May;87(5):796-801.

[Metformin decreases platelet superoxide anion production in diabetic patients.](#)

Gargiulo P, Caccese D, Pignatelli P, Brufani C, De Vito F, Marino R, Lauro R, Violi F, Di Mario U, **Sanguigni V**.
Diabetes Metab Res Rev. 2002 Mar-Apr;18(2):156-9.

[Superoxide anion and hydroxyl radical release by collagen-induced platelet aggregation--role of arachidonic acid metabolism.](#)

Caccese D, Praticò D, Ghiselli A, Natoli S, Pignatelli P, **Sanguigni V**, Iuliano L, Violi F.
Thromb Haemost. 2000 Mar;83(3):485-90.

[Effect of amlodipine on exercise-induced platelet activation in patients affected by chronic stable angina.](#)

Sanguigni V, Gallù M, Sciarra L, Del Principe D, Menichelli A, Palumbo G, Cannata D, Strano A.
Clin Cardiol. 1999 Sep;22(9):575-80.

[Effects of coffee on serum cholesterol and lipoproteins: the Italian brewing method. Italian Group for the Study of Atherosclerosis and Dismetabolic Diseases, Rome II Center.](#)

Sanguigni V, Gallu M, Ruffini MP, Strano A.
Eur J Epidemiol. 1995 Feb;11(1):75-8.

[\[Therapy and prevention of infective endocarditis\].](#)

Rocchi G, Sordillo P, Sarrecchia C, **Sanguigni V**.
Cardiologia. 1994 Dec;39(12 Suppl 1):267-74. Review. Italian.

[\[Effects of physical activity on lipids and coagulation\].](#)

Sanguigni V, Gallù M, De Cristofaro R, Ruffini MP, Levi C, Sciarra L, Novo S, Strano A.
Cardiologia. 1994 Jun;39(6):425-31. Italian.

[Cholesterol and fibrinogen as predictive factors of progressive carotid atherosclerosis.](#)

Sanguigni V, Gallù M, Novo S, Strano A.
Int Angiol. 1993 Dec;12(4):335-6.

[\[Silent myocardial ischemia: prevalence, prognostic significance, diagnosis\].](#)

Novo S, Longo B, Liquori M, Abrignani MG, Barbagallo M, **Sanguigni V**, Barbagallo Sangiorgi G, Strano A.
Cardiologia. 1993 Dec;38(12 Suppl 1):243-51. Italian.

[Incidence of carotid artery atherosclerosis in patients with coronary artery disease.](#)

Sanguigni V, Gallù M, Strano A.
Angiology. 1993 Jan;44(1):34-8.

[Evaluation of total anomalous pulmonary venous drainage with cross-sectional colour-flow Doppler echocardiography.](#)

Vitarelli A, Scapato A, **Sanguigni V**, Caminiti MC.
Eur Heart J. 1986 Mar;7(3):190-5.

Personal Communications

He participated as speaker following the International Conference and Symposiums:

-15 ° World Cogress of the International Union of angiology

Rome, September 1989.

"Arterial compliance and its relationship with the severity of the hypertensive state"

-38 ° Annual Meeting of the American College og angiology

Maui, Hawaii, USA, October 1991

"Incidence of Carotid artery atherosclerosis in patients with coronary artery disease.

-International Symposium: Fibrinogen - A new Cardiovascular Risk Factor

Vienna, January 1992

"Progression of Carotid atherosclerosis and its determinants in patients suffering from coronary artery disease"

- XIV Congress of the European Society of Cardiology

Barcelona, August 1992

"Symptomatic and asymptomatic Carotid artery disease in patients with CHD: factors affecting progression"

-3 ° Intenational Conference on Preventive Cardiology

Oslo, July 1993

"Effects of coffee on cholesterol and lipoproteins, the Italian brewing method"

-Xth International Symposium on Atherosclerosis

Montreal, October 1994

"Effects of physical activity on serum lipoproteins and coagulation parameters"

International-2nd Symposium on Fibrinogen and Cardiovascular Disease

Edinburgh, November 1994:

"Effects of physical activity on coagulation parameters"

- 64 ° Congress of the European Atherosclerosis Society

Utrecht, June 95:

"Effects of strenuous exercise on platelet activity"

- European Congress of angiology

Rome, 1997:

"Factors influencing the progression of Carotid plaque in patients suffering from chronic coronary artery heart disease"

"Evaluation of oxygen free radicals production from platelets in patients affected by coronary artery disease"

- Congress of the European Atherosclerosis Society

Stockholm, June 2000:

"Effects of strenuous exercise on platelet activity" Effect of Atorvastatin on platelet function in patients with hypercholesterolemia

"Platelet activation by oxygen free radicals in hypercholesterolemic patients"

- Congress European Society of Cardiology

Stockholm, August 2001:

"Enhanced platelet release of superoxide anion in patients with systemic hypertension: role of angiotensin II"

"Superoxide anion production by platelets in hypercholesterolemia: role of Arachidonic acid metabolism"

- Congress International Society Thrombosis and Haemostasis

Paris, July 2001:

"Increased superoxide anion platelet production in hypercholesterolemia"

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- XIV Intern. Symposium on Drugs Affecting Lipid Metabolism

New York, September 2001:

"Atorvastatin decreased platelet superoxide anion production in hypercholesterolemic patient"

- Congress European Society of Cardiology

Berlin, August 2002:

"Role of AT1 receptors and calcium influx in enhancing oxidative stress in hypertension"

"Atorvastatin decreases platelet superoxide anion production in hypercholesterolemic patients"

- American Heart Association Congress

Chicago, November 2002:

"Role of AT1 receptors in enhancing oxidative stress in patients with hypertension."

- Congress European Society of Cardiology

Vienna, August 2003:

"Role of superoxide anion in inducing CD40 ligand expression by human platelets"

- Congress European Society of Cardiology

Monaco, August 2004:

"Atorvastatin inhibits CD40 ligand expression by human platelets"

- American Heart Association Congress

New Orleans, November 2004:

"Short-term treatment with atorvastatin reduces platelet CD40ligand and thrombin generation in hypercholesterolemic patients"

- American Heart Association Congress

Chicago, November 2006:

"Oxidative stress-mediated platelet CD40 ligand in patients with upregulation hypercholesterolemia. Effect of atorvastatin. "

