

Curriculum vitae

Name and Surname: Arkadiusz Jerzy JAWIENÍ

Academic degree: Professor of medicine

Current position: Head of the Department of Vascular Surgery and Angiology
Ludwik Rydygier Collegium Medicum in Bydgoszcz
Nicolaus Copernicum University in Torun
A. Jurasza University Hospital No. 1 in Bydgoszcz, Poland
(from 1.01.2012 up to now)

Previous position: Head of the Department of General Surgery
Ludwik Rydygier Collegium Medicum in Bydgoszcz
Nicolaus Copernicum University in Torun
J.Biziela University Hospital No. 2 in Bydgoszcz, Poland
(2.12.1991-31.12.2011)

Academic Eductaion:
1971-1977 Medical University of Poznań

Academic degrees:

- 1977 – Physician - Medical University of Poznań
- 1983 – Medical Doctor - Medical University of Gdansk
- 1988 – Ph.D. (habilitation) - Medical University of Bydgoszcz
- 1993 – Associate Professor - Medical University of Bydgoszcz
- 1998 – Professor – President of Poland
- 2003 – Full Professor – Minister of Health on request from the Medical University of Bydgoszcz

Specialization:

- 1980 – I- st degree of specialization in general surgery
- 1984 – II-nd degree of specialization in general surgery
- 2002 – specialization in vascular surgery
- 2003 – specialization in angiology

Fellowships and scientific research in foreign medical units:

1. 1981 - Dep. of Surgery (Vascular Section, University of Lund (Sweden), dir. Ass. prof. L. Norgren - 2 weeks,
2. 1981 - Dep. of Vascular Surgery in Copenhagen, dir. dr B.Hansen - 2 weeks,
3. 1982 - Dep. of Oesophageal Surgery in Padova (Italy), dir. prof. A.Perracchia - 2 weeks,
4. 1983 - Dep. of Cardiovascular Surgery, Catholic Univ. of Leuven (Belgium), dir. prof. G.Stalpaert – 3,
5. 1985 - Dep. of Vascular Surgery, L'Hopital Salpeteriere-Pitie, Paris, dir. Prof. J.Natali - 8 months,

6. 1986,1987 - Dep. of Vascular Surgery, Catholic Univ. of Leuven (Belgium), dir. prof. R.Suy – 3 months every year
7. 1988 - Dep. of Surgery (Vascular Section-Experimental Lab), dir. Prof. L. Norgren - 3 months,
8. 1988 - 1991 - Department of Surgery, University of Washington (Vascular Biology Lab) – 3 years, dir. Prof. A.W. Clowes,
9. 1994 - Dep. of Surgery, University of Washington, dir. Prof. A. Clowes - 6 weeks,
10. 1997 - Department of Cardiovascular Surgery, Baylor College of Medicine, Houston, dir. Prof. H.J. Safi - 4 weeks.

Postgraduate courses:

1. 7-th International Course in Vascular Surgery organized by Dep. of Vascular Surgery in Amsterdam (Holland), May 1 - 7, 1983.
2. General surgery: "State of art... and science" organized by Univ. of Washington, November 29 to December 1, 1989.
3. International Intensive Practical Course in Phlebology, June 29 to July 2, 1993, Paris.
4. Course in Digestive Laparoscopic Surgery, February 2-7, 1998, Strasbourg.
5. Advanced Course in Laparoscopic Colorectal Surgery, February 26-27,1999, Stasbourg.
6. Laparoscopic aorto-iliac surgery, October 4-6, 2002, Quebec City, Canada

Position's held:

1. 1977-1978 – Intern in Department of General Surgery of the Medical University in Bydgoszcz,
2. 1978-1984 – Assistant at the Department of General Surgery of the Medical University in Bydgoszcz,
3. 1984-1991 – Assistant professor at the Department of General and Vascular Surgery, Medical University of Bydgoszcz,
4. 1991- 2012 – Head of the Department of General Surgery of the Medical University In Bydgoszcz, ,
5. 2012 – up to now, Head of the Department of Vascular Surgery and Angiology of the Collegium Medicum, Nicolaus Copernicus University in Bydgoszcz,
6. 1993-1996 – Vice Dean of the Medical Faculty of the Medical university in Bydgoszcz,,
7. 1998-2002 – national consultant in angiology,
8. 2002-2016 – province consultant in vascular surgery,
9. 2008-2012 - plenipotentiary of the Nicolaus Copernicus University Rector for Studies in English,
10. 2012 – up to now, Director of the Center for Medical Education in English,
11. 2016 – up to now, member of the Council of the Collegium Medicum, Nicolaus Copernicus University,
12. 2019 – appointment to the Dean's Council of the Medical Faculty of the Collegium Medicum, Nicolaus Copernicus University.

I was born on December 27, 1952 in Gorzów Wielkopolski to Father Edward and Mother Janina, nee Koch.

In the years 1959-1967 I attended the Elementary School No. 7 in Gorzów Wlkp. and at the same time, in the years 1960-1967 I attended the State Music School in Gorzów Wlkp., which I graduated in the violin class. In year 1967 I started my education at the M. Skłodowska-Curie Secondary School No. 19 in Gorzów Wielkopolski, which I graduated in 1971 in a class of mathematics and physics profile. Additionally, in the years 1967-1970 I continued my music studies to play the saxophone in the same State Music School as above. Both in the primary school and later in the high school, I held high positions in student government, ultimately acting as the chairman of the School Student's Government in the years 1969-1971. In addition, I was a member of the school cabaret and I ran a school big-beat band. I also took part in a numerous amateur song contests. Moreover, I was a participant in several scientific contests called olympiads, like in physics and biology.

In 1971, after successfully passing the entrance exams, I was accepted as a student of the Faculty of Medicine of the Medical University in Poznań, which I graduated after 6 years with a physician's degree. From the moment I made the decision to study medicine, I was thinking of choosing a surgical specialization as my target career. Hence, from the second year of studies, I associated my fate with the State Teaching Hospital No. 2 in Poznań, where in the second year of my studies I was a member of the Student Scientific Club at the Trauma Surgery Clinic run by Ass. Prof. Kołodziej (the supervisor of the Club was Dr. med. Jerzy Sikorski). However, after a year of activity in this Club, I decided to move to the Student Scientific Club at the Heart and Vascular Surgery Clinic, led by prof. Adam Piskorz (the supervisor of the Society was Dr. Marian Napierała, MD). After two years of activity in this Club, I became its chairman and from the fourth year of studies I started the so-called individual program of studying medicine with vascular surgery as the leading field, which allowed me to actively participate in all the work of the Heart and Vascular Surgery Clinic. Already as a student in this Department, I conducted experimental research on dogs, implanting the so-called Sparks prostheses (vascular prostheses with an inner mandril, implanted subcutaneously to create the inner surface of an antithrombogenic prosthesis - Sparks-Mandril arterial prosthesis). Their inner surfaces were later assessed by histological methods. In 1976 I received the Student Scientific Society award for my work.

I started my professional career on October 1, 1977 as an intern at the Department of General Surgery in Bydgoszcz, which was then part of the Clinical Teaching Team of the Medical University of Gdańsk in Bydgoszcz (head: Dr. Kazimierz Krejczy, MD, PhD). In 1978, when Ass. Prof. Zygmunt Mackiewicz from the Department of Heart and Vascular Surgery in Poznań was nominated as head of our Department, I obtained a post of a junior assistant and started research on vascular changes in the arteries of the upper limbs in people exposed to vibration. In 1980 I was on short, 2-week scientific internships at the Department of Vascular Surgery of the Salpêriere-Pitié Hospital in Paris and at the University of Lund in order to broaden my knowledge of ultrasound examinations in vascular diseases of the hand and bringing home a small digital cuffs to measure the pressure. The further studies I carried out in my patients were at that time one of the first studies of this type in Poland and one of the few in the world. Based on these studies I wrote a doctoral thesis entitled "Assessment of the usefulness of ultrasound tests in people exposed to chronic vibration effects", defended at the 1st Faculty of Medicine of the Medical University in Gdańsk in 1983 (Promotor: Ass. Prof. Zygmunt Mackiewicz, MD, PhD, Reviewers: prof. Adam Piskorz, Prof. Zbigniew Papliński). In 1984 I was

invited to Belgium to a scientific symposium on vascular diseases of the upper limb as an invited speaker, where I presented the results of my doctoral dissertation. Additionally, the results of the conducted research were published in a foreign journal (Mackiewicz Z, Jawien A. Experience with Doppler investigations in vibration syndrome. *International Angiology*, 1988, 7(4):305-308).

In February 1983, I received a 3-month scholarship from the Belgian government, which allowed me to stay at the Department of Heart and Vascular Surgery at the Catholic University of Leuven in Belgium (Head of the Clinic: Prof. G Stalpaert). During the stay, thanks to the great courtesy and support of prof. Rafael Suy, I had the opportunity to learn about new surgical techniques in vascular surgery, including a new method of semi-closed disobliteration of the aorta and iliac arteries using a specially made LeVeen guillotine. At the end of my stay in Leuven, I received from prof. Rafael Suy the LeVeen guillotine as a gift, which I then had the opportunity to use for many years to operate on Polish patients with Leriche syndrome. I presented the first beneficial effects of these operations at the Congress of the Heart, Thoracic and Vascular Surgery Section of the Society of Polish Surgeons in Poznań in 1985, which was met with great interest. In addition to the operating activities by using this method, I focused my interest on impaired potency in these patients and the possibility of conducting diagnostic tests of the arterial system using blood pressure measurements on the penis before and after the restoration of the iliac arteries. The result of my 5-year research and observation was the postdoctoral dissertation at the Medical University in Bydgoszcz, completed in 1988, and entitled "The impact of aorto-iliac disobliteration using the LeVeen method on sexual potency disorders in men with Leriche syndrome", the work supervisor was prof. dr hab. med. Zygmunt Mackiewicz (Reviewers: prof. Stanisław Zapalski, prof. Wojciech Noszczyk, prof. Jerzy Michalak).

In the period from 1985 to 1988 I participated in several research fellowships, including::

1. 1985 – Service de Chirurgie Vasculaire, l'Hopital Salpeteriere-Pitie a Paris (Directeur de Service: prof. Jean Natali), 8-month stay, where I got acquainted with the diagnostics and operations of the arteries supplying blood to the brain, including distal bypasses to the vertebral arteries,
2. 1986 – Department of Vascular Surgery, Catholic University of Leuven in Belgium, (Head: prof. Rafael Suy), 3-month stay, where I continued my studies and research on the LeVeen guillotine in disobliteration of the aorta and iliac arteries,
3. 1987 - Department of Vascular Surgery, Catholic University of Leuven in Belgium, (Head: prof. Rafael Suy), 3-month stay, where I gained knowledge about surgical techniques for the treatment of thoracoabdominal aneurysms,
4. 1988 – Department of Vascular Surgery, University of Lund, Sweden (Head: prof. Lars Norgren), a 3-month stay, where I conducted research on pigs on a new vascular prostheses and their healing process. The result of the research was the introduction of a new dacron prostheses by InterVascular for the treatment of Leriche syndrome and two publications in 1990 in foreign journals about thrombogenicity formed on the inner surface of the prosthesis immediately after its implantation.

In 1988, I received a 3-year scholarship to undertake research in vascular biology at the University of Washington in Seattle, USA (Head of the Department of Vascular Surgery: Prof. Alexander Clowes). My stay in the United States allowed me to conduct research on the role

of platelet-derived growth factor (PDGF) in the migration and proliferation of smooth muscle cells in the arterial wall. In an animal model, I was able to prove for the first time in the world that the BB isoform of PDGF in an *in vivo* study is primarily a chemotactic factor leading to the migration of smooth muscle cells from the intima to the intima in experimentally damaged rat carotid artery. The results of this study were published in 1992 in the Journal of Clinical Investigation and the work has now been cited 841 times. (A Jawien, DF Bowen-Pope, V Lindner, SM Schwartz, AW Clowes. *Platelet-derived growth factor promotes smooth muscle migration and intimal thickening in a rat model of balloon angioplasty. J Clin Invest* 1992, 89 (2), 507-511).

The second topic I dealt with during my stay in Seattle was the effect of arterial blood flow on the healing of the gently damaged artery wall. The conducted research confirmed that, apart from pressure, the volume of blood flow has a significant effect on the remodeling of the carotid artery wall after a gently denudation to its endothelium. The results of this study were published in 1992 (TR Kohler, A Jawien. *Flow affects development of intimal hyperplasia after arterial injury in rats. Arteriosclerosis and Thrombosis: A Journal of Vascular Biology* 12 (8), 963-971).

During my stay in the United States, in 1991 I won the competition for the head of the General Surgery Department at the Provincial Hospital in Bydgoszcz, Poland, which I took over on December 2, 1991. In year 1993, in recognition of the significant scientific progress of the unit I led, the Rector and Senate of Medical University of Bydgoszcz decided to include my unit as Department of General Surgery into the University structure. I ran this Department until December 31.

During the 20 years of running the Department of General Surgery, my interests and research should be included in the following groups:

- 1. Development of laparoscopic surgery, including laparoscopic treatment of Leriche syndrome.**

Immediately after taking over the General Surgery Department, I started to quickly reorganize the entire team and introduce modern surgical techniques. It was the heyday of laparoscopic techniques. I underwent quick training and at the end of 1992 I performed the first laparoscopic cholecystectomy in our Medical University in Bydgoszcz. In the following years, I introduced the treatment of gastroesophageal reflux using Nissen laparoscopic fundoplication, which I presented at the meetings of the Polish Gastroenterological Society. The next stage was the introduction of laparoscopic removal of the spleen and treatment of gastric or duodenal perforation in peptic ulcer disease. Finally, in 2003, after a course in Quebec City in implanting a bifurcated prosthesis in patients with Leriche syndrome, I performed such an operation in Bydgoszcz as the second in Poland.

- 2. Introduction and development of screening tests in colorectal cancer and establishment of the Out-patient Clinic of Colon Diseases.**

Due to the large number of patients with advanced forms of colorectal cancer coming to the Department of General Surgery in 1992-1994, I decided to introduce screening tests based on colonoscopy. These were the first studies of this type in Bydgoszcz and the region on such a large scale. The material collected for many years from this research was used to prepare the postdoctoral thesis (habilitation) of one of my coworkers. Additionally, the established cooperation with the Department of

Biochemistry and the Department of Forensic Medicine of the Medical University in Bydgoszcz resulted in numerous scientific works on the role of oxidative stress in the development of colorectal cancer and genetic research. These works have been published in foreign high IF journals. In 1996, I established the Out-patient Clinic of Colon Diseases, the first and only clinic in the entire region dedicated to patients with problems of this part of the gastrointestinal tract, which functions up to now.

3. Conducting epidemiological research in chronic venous disease.

In the years 1999-20001, together with my team, I conducted extensive, nationwide epidemiological studies of the occurrence of chronic venous disease based on a population of over 40,000 patients, allowing to determine the occurrence of this disease for the first time in our country based on the new CEAP classification. It was one of the first studies of its kind in Europe and the results were published in 2002 in an international journal *Phlebology* (A Jawien, T Grzela, A Ochwat. *Prevalence of chronic venous insufficiency in men and women in Poland: multicentre cross-sectional study in 40,095 patients. Phlebology 18 (3), 110-122*). Additional data collected on the influence of environmental factors on the development of chronic venous insufficiency during the study, allowed me to edit and publish another article, this time in *Angiology* (A Jawien. *The influence of environmental factors in chronic venous insufficiency. Angiology 54, 1_suppl, S19-S31*). Both published papers have so far been cited over 500 times in total. My scientific and organizational activity was also noticed in the European phlebologist environment, so in 2007 I was invited to the international group of editors of guidelines for the management of chronic venous disorders, which appeared in the form of a publication in 2008 and had a huge impact on the further development of phlebology in the world. (Nicolaidis, C Allegra, J Bergan, Andrew Bradbury, M Cairols, P Carpentier, A Comerota, C Delis, B Eklof, N Fassiadis, N Georgiou, G Geroulakos, U Hoffmann, G Jantet, A Jawien, S Kakkos, E Kalodiki, N Labropoulos, P Neglen, P Pappas, H Partsch, M Perrin, E Rabe, AA Ramelet, M Vaysairat, E Ioannidou, A Taft. *Management of chronic venous disorders of the lower limbs guidelines according to scientific evidence. International Angiology 2008 February;27(1):1-59*)

4. Introduction and development of endovascular techniques in surgery of arteries and veins.

From the moment when endovascular techniques began to be available in our country, I tried to introduce them into our daily practice. We started the first endovascular procedures in abdominal aortic aneurysms in 2006, initially using a low-quality mobile C-arm in the operating room, and later in a cardiology lab, which had the appropriate angiograph and equipment. In the years 2008-2011, despite the problems with financing endovascular procedures in aortic aneurysms, we performed these procedures as the only unit in the region, using various stent grafts available at that time. The significant increase in performing these procedures occurred when I moved with a part of my vascular team in 2012 to the University Hospital No. 1 in Bydgoszcz (see below).

5. Introduction of screening program for abdominal aortic aneurysm.

In 2008, after learning about the screening program for abdominal aortic aneurysm in Great Britain and the United States, I decided to introduce similar research in the Kuyavian-Pomeranian Voivodeship. I received financial and logistical support from the

Marshal's Office, which allowed me to start the research in 2009. I presented the obtained results at national and international symposias and published in numerous medical journals (1. A Jawień, B Fórmanekiewicz, T Dereziński i wsp. *Preliminary results of the first Polish abdominal aortic aneurysm screening program in the Kuyavian-Pomeranian Voivodeship. Acta Angiologica* 18 (1), 9-17; 2. A Jawien, B Formankiewicz, T Derezinski, A Migdalski, P Brazis, L Woda. *Abdominal aortic aneurysm screening program in Poland. Gefässchirurgie* 19 (6), 545-548; 2; 3. TL Dereziński, B Fórmanekiewicz, A Jawień. *The prevalence of abdominal aortic aneurysms in the rural/urban population in central Poland—Gniewkowo Aortic Study. Kardiologia Polska (Polish Heart Journal)* 75 (7), 705-710). The collected data was also the subject of a doctoral thesis of one of my assistants, defended in 2013. Based on the experience gained in conducting screening tests, I proposed to the Ministry of Health a proprietary program of conducting such a screening nationwide, throughout the country. After numerous discussions, a decision was made to introduce a nationwide screening program in abdominal aortic aneurysms in 2018. Due to the lack of interest of the management of my own hospital in coordinating such a study, the coordination was transferred to the Department of Vascular Surgery of the Medical University of Lublin, but the unit I led, took part in study in 2018-2021.

6. Establishment of the Out-patient Clinic for Chronic Wound Management and creation of a treatment model for venous leg ulcer and diabetic foot syndrome.

In year 2000, I established the Out-patient Clinic for Chronic Wound Management, dedicated primarily to patients with venous leg ulcers and diabetic foot. From the very beginning, the clinic was designed so that the main role was played by properly trained and prepared nurses for the treatment of wounds. I acquired suitable rooms for this purpose and the nurses employed there quickly gained the appropriate knowledge. Maria Szewczyk, M.Sc., who in 1998 obtained the title of medical doctor, decided to take this issue into account and in 2008 she defended postdoctoral thesis and became the Ass. Prof. Later, she got professor degree in 2014 awarded by the President of the Republic of Poland. The modern TIME strategy for the treatment of wounds that I implemented resulted in the fact that not only the therapeutic effects improved significantly, but also the number of publications increased significantly, including those in indexed journals, and the nurses employed at the Out-patient Clinic obtained several academic degrees.

On January 2, 2012, together with a part of the vascular team of the Department of General Surgery I run, I was transferred to the University Hospital No. 1 in Bydgoszcz, where I founded the Department of Vascular Surgery and Angiology. The reason for the decision to move to a new location was the possibility of gaining access to the newly built operating theater with a hybrid room and improving the conditions for treating vascular patients with new endovascular techniques.

During the last 10 years of running the Department of Vascular Surgery and Angiology, my interests and research focused on two issues:

1. Endovascular treatment of aortic diseases.

After the opening of the hybrid room in 2013, the number of endovascular procedures of the aorta performed in my unit increased rapidly. This applies to both the abdominal

and thoracoabdominal aortic aneurysms, aortic dissections and most recently, since 2021, the aortic arch. The latest data collection made in our Department shows that in the last 5 years I have performed operations on over 350 abdominal aortic aneurysms with the use of stent grafts of various companies and 236 thoracoabdominal aneurysms treated with branched or fenestrated stent grafts and 4 aortic arch stent grafts. From 2021, I was included to a multicenter European study called INNER-B, which is conducted to assess the usefulness of new, off the shelf, branch stent grafts with the so-called inner sleeves. I have presented my research results at numerous scientific meetings in Poland and abroad. The experience gained in endovascular surgery of aneurysms meant that at the last meeting of the European Society of Vascular Surgery in Rotterdam, I was entrusted with the role of a workshop on the implantation of branch stent grafts with the so-called inner sleeves. I was and am still actively interested in introducing modifications and new improvements in the treatment of abdominal aortic aneurysms.

2. Management of Chronic Wounds in patients with venous leg ulcers and diabetic foot.

Along with my transfer to the University Hospital No. 1 in Bydgoszcz, after a year I was joined by the nursing team from the Out-patient Clinic for Chronic Wound Management. We managed to acquire new, well-equipped rooms and appropriate modern equipment and start treating patients at a very high level. Both, the new working conditions and the high professional level of my team resulted in obtaining two grants from the National Center for Research and Development, one in 2016 and the other in 2020 for research on tropocollagen in the treatment of venous leg ulcers. The first grant has already been completed and the first papers in English-language journals have appeared. (1. P Mościcka, J Cwajda-Białasik, MT Szewczyk, A Jawień. *Healing Process, Pain, and Health-Related Quality of Life in Patients with Venous Leg Ulcers Treated with Fish Collagen Gel: A 12-Week Randomized Single-Center Study. International Journal of Environmental Research and Public Health* 2022, 19 (12), 7108; 2. J Cwajda-Białasik, P Mościcka, MT Szewczyk, D Hojan-Jezińska, W Kawalkiewicz, A Majewska, M Janus-Kubiak, L Kubisz, A Jawień. *Venous leg ulcers treated with fish collagen gel in a 12-week randomized single-centre study. Advances in Dermatology and Allergology* 2021 DOI: <https://doi.org/10.5114/ada.2021.108424>)

The second grant is currently implemented and should be completed in 2023.

The published works by me and my team resulted in several invitations to take part in international scientific groups preparing guidelines or the so-called "Consensus statements". A good example indicating the recognitions for our work are the guidelines recently published by the ESVS (European Society for Vascular Surgery) on the diagnosis and treatment of chronic venous disease, which I co-authored. In this document, I was responsible for the development and editing of the section on the current treatment options for venous leg ulcers according to Evidence Based Medicine. (*Editor's Choice - European Society for Vascular Surgery (ESVS) 2022 Clinical Practice Guidelines on the Management of Chronic Venous Disease of the Lower Limbs. De Maeseneer MG, Kakkos SK, Aherne T, Baekgaard N, Black S, Blomgren L, Giannoukas A, Gohel M, de Graaf R, Hamel-Desnos C, Jawien A, Jaworucka-Kaczorowska A, Lattimer CR, Mosti G, Noppeney T, van Rijn MJ, Stansby G, Esvs Guidelines Committee, Kolh P, Bastos Goncalves F, Chakfé N, Coscas R, de Borst GJ, Dias NV, Hincliffe RJ, Koncar IB, Lindholt JS, Trimarchi S, Tulamo R, Twine CP, Vermassen F, Wanhainen A, Document Reviewers, Björck M, Labropoulos N, Lurie F, Mansilha A, Nyamekye IK,*

Ramirez Ortega M, Ulloa JH, Urbanek T, van Rij AM, Vuylsteke ME. Eur J Vasc Endovasc Surg. 2022 Feb;63(2):184-267.)

During my 45 years of professional work, I have always maintained close contacts, both personal and institutional, with academics of the Medical Academy in Poznań and later of the Medical University of Karol Marcinkowski, especially with the Department of General and Vascular Surgery of the Transfiguration of Jesus Clinical Hospital in Poznań. These close relationships resulted not only from the fact that I was a graduate of this university, but it was also influenced by my head of specialization, head of the Department and my teacher in one person, prof. Zygmunt Mackiewicz MD, PhD, who was for many years an employee of the Medical Academy in Poznań. Our cooperation consisted of mutual invitations to review doctoral dissertations and participation in the organization of conventions and scientific sessions. And so, prof. Marcin Gabriel in 2013 and 2016 and prof. Waclaw Majewski in 2007, were the reviewers of my assistants' doctoral dissertations. Ass.Prof. Maciej Sopata, in turn, in 2013 and 2014 acted as a reviewer of doctoral dissertations of two nurses from my Chronic Wound Management Clinic. In 2000, I was a reviewer of the doctoral dissertation of the current professor Zbigniew Krasiński and in 1999 and 2000 of the doctoral students of professor Stanisław Zapalski and professor Piotr Krokowicz.

In the years, since 2003 to the present day, we have been working closely with professor Maciej Sopata as part of the Polish Wound Management Association, supporting each other in the organization of many joint sessions, including European Meeting of EWMA in Krakow 2018, workshops and conventions of this Society. In turn, together with Professor Zbigniew Krasiński, we participated in several clinical trials, and we are currently starting a new international trial in aortic aneurysms treated with special drug balloons, where we will represent Poland as the only centers.

Academic achievements:

My total scientific achievements include **629 publications**, 115 of which are listed in PubMed. The total value of the **IF 189.168** and the KBN / MNiSzW score: 4203.500 (Polish scoring system of Ministry of Education)

Citation (Scopus):3014

Index H=22 (Scopus)

In addition:

Letters to the editors of medical journals:

The total value of the IF 2.357 and the KBN/MNiSzW: 30.000

Research group

The total value of the IF 6.291 and the KBN/MNiSzW: 30.000

I took an active part in many randomized trials (multicenter studies) both for the evaluation of drugs in the prevention and treatment of deep vein thrombosis, intermittent claudication in lower limb ischemia and dressings in the treatment of venous leg ulcers.

I was the promoter of 14 doctoral dissertations and 4 doctors from my team successfully completed postdoctoral thesis (habilitation), including one person becoming a titular professor. In 2003, I successfully carried out the process of awarding prof. Lars Norgren from University of Lund, Sweden with the title of doctor honoris causa at the Medical Academy in

Bydgoszcz. In addition, I was a reviewer of many doctoral dissertations, also in the foreign countries, including honorary doctorates, postdoctoral theses and the degree of professor.

Educational activities:

In the years 1979-1988 I ran the Scientific Student Society at the Department of General and Vascular Surgery, as part of which several papers were published in the Polish Surgical Review. (1. A. Jawień, W. Szczęsny, H. Jużków, J. Domański, P. Jarzemski. *Usefulness of pressure measurements on the fingertips during alternating compression of the forearm arteries in vascular surgery. Pol. Przegl. Chir. 1987 T. 59 s. 459-464*; 2. A. Jawień, J. Rymaszewski, W. Cyrankiewicz, I. Guzik, Z. Mackiewicz. *Analysis of late graft patency and patient survival after implantation of aorto-femoral prostheses using Life-Table Analysis. Pol. Przegl. Chir. 1988 T. 60 s. 971-978.*)

I have been conducting classes for students of the Faculty of Medicine since 1979 until now, with breaks for foreign training trips. Since 2012, I also conduct classes for English-speaking students in the field of vascular surgery.

Membership in Scientific Societies and functions:

1. Polish Society for Vascular Surgery - founding member 2002, member of the Board from 2001 to 2006, president of PSVS in 2018-2020, **honorary member of PSVS** from 2016,
2. European Venous Forum – founding member in 1999, President of EVF 2004,
3. **Corresponding member** of the German Society of Phlebology - 2004
4. Czech Phlebological Society – **honorary member** since 2005,
5. European Society for Vascular Surgery – Polish Councillor 2010-2013 and 2022-2025, President of ESVS 2014/2015, Porto ESVS annual meeting 2015 organized together with Prof. Armando Mansilha,
6. World Federation of Vascular Societies – President of the Society 2017,
7. European Wound Management Association – member of the Board 2011-2014
8. Association of Polish Surgeons – Board member from 1999 to 2011, Chairman of the Training and Specialization Committee 2007-2009,
9. International Union of Angiology – Polish representative to the Board 2000-2010, Secretary General 2010-2014,
10. Polish Angiological Society – President of PAS 1996-1998, Board member 1996-2012
11. Polish Phlebological Society – Board member since 2000 and from 2003 to 2006 President of PPhS, **Honorary Member** since 2009,
12. Polish Wound Management Association – founding member in 2003, President of PWMA in years 2006-2009 and 2009-2012, Board member since 2012 up to now, since 2019 vice-president of PWMA,
13. Polish Gastroenterological Society – Board member of Bydgoszcz section in years 2000-2002,
14. Polish Coloproctology Club – member in years 1996-2011,
15. Polish Stroke Society – member of peer court in years 2002 - 2004

I have participated in many scientific meetings and symposia, including over 400 by invitation. I was the organizer of many congresses, including international ones, such as the EVF Congress in Warsaw in 2004, the ESVS Congress in Porto, Portugal in 2015 or the EWMA congress in

Krakow in 2018. In the years 1999 - 2009 I organized Polish-Italian Phlebology Meetings in Bydgoszcz, which were very popular because they popularized knowledge about venous diseases and raised the level of diagnosis and treatment of patients with chronic venous disease in Poland, because at that time specialists from Italy were the world leaders in this specialty. In addition, I organized numerous meetings of the Societies of which I was president.

Membership in other Associations:

Polish-Italian Association – vice-president in years 1999-2009

Foundation „Prophilaktikos” – Board member

Foundation „Sanum – I serve, teach, heal” – president of the foundation

Medical Journals:

Leczenie Ran (Wound Management) – Editor in Chief since 2006 up to now

Acta Angiologica – Editor in Chief 1998-2016, Member of editorial board up to now,

Phlebological Review – V-ce Editor in Chief 2000-2009

International Angiology – member of International Board

Acta Phlebologica – member of International Scientific Board – up to now

European Journal of Vascular and Endovascular Surgery – member of International Board in years 2010-2013,

Medycyna Specjalistyczna (Specialist Medicine) – V-ce Editor in Chief in years 1998-2002

Nautilus – member of scientific board

Primum Non Nocere – bulletin of Physician’s Council – Editor in Chief in years 1993-2000,

Journal of Phlebology – member of International Scientific Board

Angiologie – member of International Scientific Board

Venous Digest by Fax – member of International Scientific Board

Prakticka Flebologie – member of International Scientific Board

The Internet Journal of Thoracic and Cardiovascular Surgery - member of International Scientific Board

Udar mózgu (Stroke) – member of editorial board,

Chirurgia Polska (Polish Surgery)– member of editorial board

Przewodnik Lekarza (Doctor's guide) – member of editorial board 2000-2002

I am an active reviewer in many foreign and Polish magazines.

Awards:

Awards of the Rector of the Medical Academy in Bydgoszcz:

1986 – 3rd degree award for outstanding didactic and educational achievements in the 1984/85 academic year,

1987 – 1st degree team award for outstanding scientific achievements in 1986/87 academic year,

2002 – 2nd degree individual award for organizational and scientific activities,

2003 – 1st degree individual award for scientific and organizational activity,

2004 – 1st degree individual award for research, teaching and organizational activities

Awards of the Rector of the Nicolaus Copernicus University in Toruń:

2006 – 1st degree team award for achievements in the field of science and research in 2005,
2006 – 2nd degree team award for achievements in the field of science and research in 2005,
2011 – 3rd degree team award for achievements in the field of science and research in 2010,
2016 – 3rd degree individual award for commitment to work for the benefit of the University,
2018 – 3rd degree individual award for active participation in the recruitment process for full-time English-language studies,
2020 – award for a highly scored scientific publication,
2020 – team award for achievements in the scientific field in 2019.

2003 – award at the ESVS congress in Dublin for the best experimental work

2007 – award at the EVF congress in Istanbul for the best work presented at the congress.

Other awards:

1983 – Provincial Award of the 2nd degree for the entirety of scientific research in the field of occupational vascular diseases,

2002 – Allianz award in the field of "Science" for carrying out a number of unique operations on a European scale saving the life and health of patients and organizing conferences and scientific meetings,

2010 – Golden Scalpel award from the Puls Medycyny journal - distinction in the "Diagnostics and screening tests" category for the program of early detection of an abdominal aortic aneurysm implemented in the Kuyavian-Pomeranian Voivodeship,

2011 – award of the Marshal of the Kujawsko-Pomorskie Voivodeship in the "pro-health activity" category for introducing screening tests in abdominal aortic aneurysm,

2019 – award of the Director of the University Hospital No. 1 for a special contribution and initiative to improve the quality of work in the Hospital

Other awards and distinctions:

1. In 2009, I obtained the honorable and honorary title of the Ambassador of the Kujawsko-Pomorskie Region for two years, which was given to me by the chapter of this title and the voices of the region's public.
2. In 2013, I was elected Master of the Polish Speech in a national competition. It was the first such a title given to a surgeon in the long history of this competition in Poland.
3. In 2018, I was selected by the jury of the Bydgoszcz Autograph Award to unveil my signature on Długa Street. This award is granted to people who promote the city of Bydgoszcz in a special way with their work and activities. Thanks to this award, I found myself among such outstanding laureates as, for example, Irena Szewińska – famous athlete, Rafał Blechacz- best Polish piano player or Zbigniew Boniek – Polish famous footballist.

Decorations:

5.02.2004 – badge and diploma "Meritorious for the Medical Council" awarded by the District Medical Council in Bydgoszcz,

26.10.2016 – the title of Merit from the Polish Medical Society awarded by the president of MSL, prof. Waldemar Kostewicz,

11.11.2018 – Medal of the 100th anniversary of regaining independence by Poland, awarded by the Prime Minister of the Republic of Poland Mateusz Morawiecki

Hobby:

My hobby for many years is keeping a family tree of my own family. It gives me the opportunity to reach interesting people with the same last name as me. During this activity, I also reached John Paul II, the Polish Pope, who, as a young vicar from Niegowić Parish, took the pseudonym Andrzej Jawień in the years 1949-1967 and signed most of his poems, novels and works with it, including the famous position "In front of the jeweler's shop"

In addition, I love traveling and all kinds of expeditions into the unknown. One of my most interesting journeys was the Himalayan expedition in 2007 "Tilicho Peak and Tilicho Lake" organized by the Mountaineering Club from Bydgoszcz with the support of the City of Bydgoszcz, where I was the expedition doctor.

I am also a lover of classical music and this interest dates back to the time when I attended music school. I enjoy watching and listening to the Chopin, Rubinstein and Wieniawski competitions.

Family:

I am married, my wife Zofia has a master's degree in physical education. We have two children, a son and a daughter, and seven grandchildren. Son Andrzej and daughter-in-law Natalia continue medical traditions as doctors of the Medical University of Karola Marcinkowski in Poznań, while daughter Aleksandra and son-in-law Pawel Litwinowicz are architects and run a thriving architectural studio in Poznań.