

Curriculum Vitae



Stanislav Bondarenko, 45 years old,

Doctor of Medical Sciences,

Director of the State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”,

Academician of the National Academy of Sciences of Higher Education of Ukraine,

Professor at the Medical Faculty of V.N. Karazin Kharkiv National University,

Secretary General of the European Hip Society (EHS),

Member of the Hip Arthroplasty Subspecialty Committee in SICOT

National Representative of Ukraine in SICOT

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Education:

- Kharkiv National Medical University, 1996–2002
- Internship – Kharkiv Regional Clinical Trauma Hospital, 2002–2004
- Postgraduate Studies – 2006–2009, State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

Specialization: Traumatology and Orthopaedics

PhD Thesis Topic: “Hip joint replacement in the consequences of reactive arthritis”

Scientific Advisor: Prof. Volodymyr Filipenko, Doctor of Medical Sciences, Honored Scientist of Ukraine

- Doctoral Studies – 2016–2018, State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

Specialization: Traumatology and Orthopaedics

Doctoral Thesis Topic: “Hip replacement in the consequences of acetabular and proximal femur fractures”

Scientific Consultant: Prof. Volodymyr Filipenko, Doctor of Medical Sciences, Honored Scientist of Ukraine

- Second Higher Education – Kharkiv Regional Institute of Public Administration of the National Academy for Public Administration under the President of Ukraine, 2019–2020

Master’s degree with honors in Public Administration and Management

Professional Experience:

- February 2004 – October 2006 – Orthopaedic Trauma Surgeon, Emergency Trauma Care Department,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

- October 2009 – December 2010 – Junior Research Fellow, Department of Joint Pathology,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

- January 2011 – December 2013 – Research Fellow, Department of Joint Pathology,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

- January 2013 – December 2016 – Senior Research Fellow, Department of Joint Pathology,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine»

- November 2018 – September 2023 – Chief Research Fellow, Department of Joint Pathology,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

- October 2023 – July 2024 – Acting Director,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

- July 2024 – present – Director,

State Institution “Sytenko Institute of Spine and Joint Pathology National Academy of Medical Sciences of Ukraine”

Surgical Specialization:

- Primary and revision hip and knee joint arthroplasty
- Reconstructive and restorative surgeries on the hip and knee joints
- Knee joint arthroscopy

Published Scientific Works:

Author of 112 scientific publications, including:

- 60 articles in professional scientific journals in Ukraine and abroad
- 36 abstracts published in conference proceedings
- 2 chapters in 2 textbooks
- 4 chapters in 3 monographs
- 1 set of methodological recommendations
- 9 Ukrainian patents

H-index: 5

Full list of publications:

[NCBI Bibliography](#)

Scopus profile:

[Scopus Author ID: 57213146410](#)

Advanced Training, Fellowships, and Grants:

- American-Austrian Foundation Grant – Course “Bone and Joint Surgery” at the Salzburg Medical Seminar (2009)
- EFORT Foundation Grant – One-month course in hip and knee arthroplasty at Carl Gustav Carus University Clinic (Dresden, Germany, 2011)
- Fellowship (American-Austrian Foundation) – Orthopaedics Department, Allgemeines Krankenhaus University Hospital (Vienna, Austria, 2011 & 2013)

- AAOS Fellowship Grant (American Academy of Orthopaedic Surgeons) – Course on hip arthroscopy at the Orthopaedic Learning Center (Rosemont, Illinois) and training in hip and knee arthroplasty at two clinics of the Princeton Orthopaedic Associates (Princeton, New Jersey, USA, 2013)
- The Hip Society Rothman-Ranawat Traveling Fellowship (2014) – Training at 12 leading hip arthroplasty centers in the USA and 1 in Canada
- AAOS “International Emerging Leaders Scholarship Award” (2016) – Advanced course in complex primary and revision knee arthroplasty at the Orthopaedic Learning Center (Rosemont, Illinois) and the orthopaedic clinic of the University of California, San Francisco (USA)
- Course in Primary and Revision Knee Arthroplasty, Stolzalpe Clinic (Austria, 2016)
- Revision Knee Arthroplasty Course, Link Academy (Hamburg, Germany, 2016)
- Course “Direct Anterior Approach in THA”, Hip Arthroplasty (Taipei, Taiwan, 2016)
- Advanced Course in Complex Hip and Knee Arthroplasty, Langone Medical Center, Hospital for Joint Diseases (New York, USA, July 2018)
- Master Course “Master Course of Multigen with Knee Balancer”, University Hospital Martin (Slovakia, January 2020)

Scientific and Organizational Activities:

- Since 2024 – Chair of the Specialized Academic Council 14.01.21 (Traumatology and Orthopaedics) at the State Institution “Sytenko Institute of Spine and Joint Pathology, NAMS of Ukraine”
- Since November 16, 2021 – Academician of the National Academy of Higher Education Sciences of Ukraine
- Expert of the Ministry of Health of Ukraine Expert Group in the specialty “Traumatology and Orthopaedics”
- Head of the Permanent Working Group of the Ministry of Health of Ukraine on procurement support in the area of “Endoprotheses and Implantation Kits”
- Editor-in-Chief of the journal “Orthopaedics, Traumatology and Prosthetics”
- Deputy Editor-in-Chief of the journal “Knee Arthroplasty: Techniques & Complications” (part of Frontiers in Surgery)
- Editorial Board Member of the journal Hip International
- Editorial Board Member of the Journal of Arthroplasty
- Editorial Board Member of the Ukrainian journal Trauma

Reviewer for journals indexed in Scopus and Web of Science:

1. Scientific Reports
2. Journal of Arthroplasty
3. Hip International
4. EFORT Open Reviews
5. World Journal of Orthopedics
6. Histology and Histopathology
7. Libyan Journal of Medicine
8. Medical Principles and Practice
9. Case Reports in Orthopedics

Membership in Medical Associations and Societies:

- Secretary General of the European Hip Society (EHS)

- National Delegate from Ukraine to the International Society of Orthopaedic Surgery and Traumatology (SICOT)
- Member of the Ukrainian Association of Orthopaedic Surgeons and Traumatologists
- Member of the American Association of Hip and Knee Surgeons (AAHKS)
- Member of the American Academy of Orthopaedic Surgeons (AAOS)

Awards and Honors:

- Letter of Appreciation from the personnel of Military Unit A7041 for outstanding professionalism and consistent medical support during the defense against the armed aggression of the Russian Federation (2023), received during field visits to the Balakliya Clinical Multidisciplinary Hospital for Intensive Care.
- Honorary Diploma from the Presidium of the National Academy of Medical Sciences of Ukraine for significant personal contribution to the development of the Ukrainian Association of Orthopaedic Surgeons and Traumatologists (2019).
- First Place for Best Scientific Presentation among young scientists at the XVI Congress of Orthopaedic Surgeons and Traumatologists of Ukraine (2013).
- Honorary Diploma from the Presidium of the National Academy of Medical Sciences of Ukraine for personal contribution to the development of medical science and outstanding achievements in professional activity (2013).
- Diploma from the Department of Science and Education of the Kharkiv Regional State Administration for many years of diligent work, high professionalism, active civic position, and significant contribution to public health (2013).
- Third Place for Best Scientific Presentation at the Ukrainian Scientific-Practical Conference “Contribution of Young Professionals to the Development of Medical Science and Practice” (2012).
- Honorary Diploma from the Main Department for Family, Youth, and Sports of the Kharkiv Regional State Administration for a significant personal contribution to the implementation of state policy on family, children, women, and youth issues, active civic engagement, professionalism, and dedication to work (2011).
- Certificate of Participation in the IV Regional Contest “Best Young Scientist of Kharkiv Region,” awarded by the Head of the Kharkiv Regional State Administration (2009).
- Laureate of the 1st Degree M.I. Sytenko Award in the competition for the best scientific work among young scientists in the specialty of orthopaedics and traumatology (2008).

PUBLICATIONS FOR 5 YEARS

2020

1. **Bondarenko S., Ashukina N., Maltseva V., Ivanov G., Badnaoui A.A., Schwarzkopf R.**
Evaluation of the bone morphology around four types of porous metal implants placed in distal femur of ovariectomized rats (2020) Journal of Orthopaedic Surgery and Research, 15 (1), art. no. 296, Cited 8 times.
DOI: 10.1186/s13018-020-01822-3

Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089041676&doi=10.1186%2fs13018-020-01822-3&partnerID=40&md5=a57e82dd356b51f24fd1cfd6f855c1c>

2021

1. **Bondarenko S., Filipenko V., Badnaoui A.A., Karpinsky M., Karpinska O., Ivanov G., Maltseva V., Schwarzkopf R.**
Osseointegration of porous titanium and tantalum implants in ovariectomized rabbits: A biomechanical study (2021) World Journal of Orthopedics, 12 (4), pp. 214 - 222, Cited 4 times.
DOI: 10.5312/wjo.v12.i4.214
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125464400&doi=10.5312%2fwjo.v12.i4.214&partnerID=40&md5=b2c74962aaf60619caca65447e895897>
2. **Bondarenko S.E., Badnaui A., Karpinskaya O.D.**
Features of statographic indicators of patients with coxarthrosis before and after arthroplasty (2021) Travma, 22 (4), pp. 30 - 36, Cited 0 times.
DOI: 10.22141/1608-1706.4.22.2021.239707
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200369051&doi=10.22141%2f1608-1706.4.22.2021.239707&partnerID=40&md5=7091ba6ecae23e36d4aa6b4235ee7376>
3. **Bondarenko S.Ye., Denisenko S.A., Karpinsky M.Yu., Yaresko O.V.**
Investigation of the effect of porous titanium cups on stress distribution in bone tissue (mathematical modeling) (2021) Travma, 22 (3), pp. 28 - 37, Cited 5 times.
DOI: 10.22141/1608-1706.3.22.2021.236320
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151252514&doi=10.22141%2f1608-1706.3.22.2021.236320&partnerID=40&md5=d9abd6ae1a8fd7cc81276a57ecef965>

2022

1. **Bondarenko S.Y., Maltseva V.E., Vysotskyi O.V.**
International consensus on prevention of venous thromboembolism in patients after orthopedic interventions (2022) Orthopaedics, Traumatology and Prosthetics, 2022 (1-2), pp. 133 - 134, Cited 0 times.
DOI: 10.15674/0030-598720221-2133-134
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175831490&doi=10.15674%2f0030-598720221-2133-134&partnerID=40&md5=6849fb054dd63934565d12ddad9d23b8>
2. **Bondarenko S.Y., Filipenko V.A., Morozenko D.V., Leontyeva F.S., Vysotskyi O.V., Maltseva V.Y.**
ANALYSIS OF THE RELATIONSHIP BETWEEN DEGENERATIVE CHANGES IN THE JOINT UNDER CONDITIONS OF HIP OSTEOARTHRITIS WITH HEMOSTASIS DISORDERS IN PATIENTS BASED ON THE RESULTS OF A BIOCHEMICAL STUDY (2022) Orthopaedics, Traumatology and Prosthetics, 2022 (3-4), pp. 62 - 67, Cited 1 times.

- DOI: 10.15674/0030-598720223-462-67
 Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175839841&doi=10.15674%2f0030-598720223-462-67&partnerID=40&md5=763d667461afccc55d733693f631f47c>
3. **Rogulska O.Y., Trufanova N.A., Petrenko Y.A., Repin N.V., Grischuk V.P., Ashukina N.O., Bondarenko S.Y., Ivanov G.V., Podorozhko E.A., Lozinsky V.I., Petrenko A.Y.**
Generation of bone grafts using cryopreserved mesenchymal stromal cells and macroporous collagen-nanohydroxyapatite cryogels (2022) *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 110 (2), pp. 489 - 499, Cited 10 times.
 DOI: 10.1002/jbm.b.34927
 Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112347950&doi=10.1002%2fjbm.b.34927&partnerID=40&md5=f367ae981544cb68581ddbfaad2924e23>
 4. **Siebenrock K., Tsiridis E., Epinette J.-A., Bondarenko S., Thaler M.**
30 years of the European Hip Society (2022) *HIP International*, 32 (6), pp. 698 - 707, Cited 0 times.
 DOI: 10.1177/11207000221134508
 Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142270629&doi=10.1177%2f11207000221134508&partnerID=40&md5=c9ff726da5839da01>
 5. **Parvizi J., Abbas A.A., Abcha O., ... Bondarenko S., ... Yates A.J., Yoo J.-I., Yoon U., Zambianchi F.**
Recommendations from the ICM-VTE: General (2022) *Journal of Bone and Joint Surgery*, 104, pp. 4 - 162, Cited 23 times.
 DOI: 10.2106/JBJS.21.01531
 Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126907852&doi=10.2106%2fJBJS.21.01531&partnerID=40&md5=78449a9ec5aa4c09b174c9dfb8ca7cdf>
 6. **Filipenko V.A., Badnaoui A.A., Bondarenko S.Ye., Karpinska O.D.**
Results of total hip arthroplasty in patients with reduced bone mineral density (2022) *Orthopaedics, Traumatology and Prosthetics*, 2022 (1-2), pp. 71 - 76, Cited 0 times.
 DOI: 10.15674/0030-598720221-271-76
 Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175859136&doi=10.15674%2f0030-598720221-271-76&partnerID=40&md5=6fdbf97598f04529e925aeb7c7e84df3>

2023

1. **Tripathy S.K., Sambandam S., Satpathy J., Bondarenko S.**
Editorial: Knee arthroplasty: techniques and complications
Frontiers in Surgery, 10, art. no. 1202714, Cited 0 times.
 DOI: 10.3389/fsurg.2023.1202714
 Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161039137&doi=10.3389%2ffsurg.2023.1202714&partnerID=40&md5=2f1714871f30fea5661ba1a6e9ad231b>
2. **Bondarenko S., Filipenko V., Ashukina N., Maltseva V., Ivanov G., Lazarenko I., Sereda D., Schwarzkopf R.**
Comparative study in vivo of the osseointegration of 3D-printed and plasma-coated

titanium implants

World Journal of Orthopedics, 14 (9), pp. 682 - 689, Cited 4 times.

DOI: 10.5312/wjo.v14.i9.682

Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171559095&doi=10.5312%2fwjo.v14.i9.682&partnerID=40&md5=bc43046015bbe547fa944d481a26250d>

3. **Filipenko V.A., Bondarenko S.Ye., Leontyeva F.S., Tuliakov V.O., Vysotskyi O.V.**
CHANGES IN INDICATORS OF THE COAGULATION SYSTEM AND MARKERS OF INFLAMMATION IN THE BLOOD OF PATIENTS WITH DEGENERATIVE DISEASES OF LARGE JOINTS IN THE CASE OF TOTAL ARTHROPLASTY
Orthopaedics, Traumatology and Prosthetics, 2023 (4), pp. 36 - 42, Cited 1 times.
DOI: 10.15674/0030-59872023436-42
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183002648&doi=10.15674%2f0030-59872023436-42&partnerID=40&md5=25c8fd84100a3c8357314a90704f9509>
4. **Popov A., Petrenko D., Kutsenko V., Lazarenko I., Bondarenko S., Popsuyshapka K., Maltseva V.**
DEVELOPMENT OF A MATHEMATICAL MODEL OF SELECTING THE EXTENT OF A SURGICAL INTERVENTION IN SPINAL TUMOR
Wiadomosci lekarskie (Warsaw, Poland : 1960), 76 (7), pp. 1627 - 1635, Cited 0 times.
DOI: 10.36740/WLek202307117
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168754346&doi=10.36740%2fWLek202307117&partnerID=40&md5=7522d4397ecf24133e277880d1ba61ca>

2024

1. **Filipenko V.A., Bondarenko S.Y., Maruschack O.P., Olinkevych Y.V.**
FEATURES OF REMOVAL OF STABLE FEMORAL STEMS OF HIP ENDOPROSTHESES
Orthopaedics, Traumatology and Prosthetics, 2024 (4), pp. 95 - 104, Cited 0 times.
DOI: 10.15674/0030-59872024495-104
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214029935&doi=10.15674%2f0030-59872024495-104&partnerID=40&md5=f066002687926e71d7f911cee34b9d91>
2. **Haluzynskyi O.A., Linenko O.M., Bondarenko S.Ye., Nikolov M.O., Maltseva V.Ye.**
OSSEOINTEGRATIVE PROSTHETICS: OPPORTUNITIES, CHALLENGES, AND PROSPECTS FOR ITS APPLICATION IN THE REHABILITATION OF PATIENTS WITH AMPUTATED LIMBS (LITERATURE REVIEW)
Orthopaedics, Traumatology and Prosthetics, 2024 (3), pp. 86 - 97, Cited 0 times.
DOI: 10.15674/0030-59872024386-97
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207516161&doi=10.15674%2f0030-59872024386-97&partnerID=40&md5=e2c0dffb305f42efadc23cf67864b091>
3. **Bondarenko S.Y., Sereda D.I., Karpinska O.D.**
THE STUDY OF THE WORK OF THE MUSCLES RESPONSIBLE FOR THE FUNCTIONALITY OF THE HIP JOINT AFTER TOTAL HIP ARTHROPLASTY USING DIFFERENT SURGICAL APPROACHES
Orthopaedics, Traumatology and Prosthetics, 2024 (2), pp. 24 - 32, Cited 1 times.
DOI: 10.15674/0030-59872024224-32

Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199275167&doi=10.15674%2f0030-59872024224-32&partnerID=40&md5=e957ab7da1845e93992843e0277412c7>

4. **Bondarenko S.Ye., Fomin O.O., Lazarenko I.V.**
EARLY RESULTS OF SHOULDER ARTHRODESIS WITH 3D-TITANIUM IMPLANTS FOR TREATMENT OF SEVERE GUNSHOT WOUNDS OF THE SHOULDER GIRDLE
 Orthopaedics, Traumatology and Prosthetics, 2024 (1), pp. 5 - 12, Cited 0 times.
DOI: 10.15674/0030-5987202415-12
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191730100&doi=10.15674%2f0030-5987202415-12&partnerID=40&md5=4bf39ae4cbe12615682100e5e48bdcb3>

2025

1. **Bondarenko S.Ye., Filipenko V.A., Leontyeva F.S., Tulyakov V.O.**
Pathogenetic association of inflammation and hemostasis markers in the blood of patients with injuries of large joints (2025) *Travma*, 26 (1), pp. 1 - 10, Cited 0 times.
DOI: 10.22141/1608-1706.1.26.2025.993
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000763302&doi=10.22141%2f1608-1706.1.26.2025.993&partnerID=40&md5=009ccd416d0fcfad619f5d41d868026b>
2. **Bondarenko S.Ye., Maltseva V.Ye., Pryimak D.V., Sereda D.I.**
UKRAINIAN-LANGUAGE VALIDATED SCALES FORGOTTEN JOINT SCORE-12 FOR PATIENTS AFTER HIP AND KNEE ARTHROPLASTY (2025) *Orthopaedics, Traumatology and Prosthetics*, 2025 (1), pp. 50 - 55, Cited 0 times.
DOI: 10.15674/0030-59872025150-55
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105002641017&doi=10.15674%2f0030-59872025150-55&partnerID=40&md5=ac2e1b5f50b9b0782aa630ac217a68af>
3. **Bondarenko S.Ye., Vatamanitsa D.B., Skoryk I.O., Kozlova T.V., Karpinsky M.Yu., Yaresko O.V.**
Comparative analysis of hip joint replacement options in combination with osteosynthesis of the acetabulum in the presence of a fracture of its floor (2025) *Travma*, 26 (1), pp. 42 - 54, Cited 0 times.
DOI: 10.22141/1608-1706.1.26.2025.997
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000779401&doi=10.22141%2f1608-1706.1.26.2025.997&partnerID=40&md5=5cd852d8b27c36c0232892f32b397a30>
4. **Slullitel P.A., Van Oldenrijk J., Tsai S.-W., Bondarenko S., Rodriguez-Quintana D., Smith E.L., Brown S.A., Smith E.B., Wadhwa M., Merghani K., Goswami K.**
How Should Vancouver B1-Periprosthetic Fractures at the Tip of a Cemented or Uncemented Femoral Stem Be Treated? (2025) *Journal of Arthroplasty*, 40 (2), pp. S173 - S175, Cited 0 times.
DOI: 10.1016/j.arth.2024.10.093
Link: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209252167&doi=10.1016%2fj.arth.2024.10.093&partnerID=40&md5=9360480864ec9f759bfb6425c9cb13fe>