

## CURRICULUM VITAE:

**ROBERTO BASSANI MD; PHD**

**7/2/1965**

Address: **VIA SIRO COMI, 30 - 27100 - PAVIA -IT**

Phone: **+39 348 4410185** **+39 335 245289 (assistant)**

E-mail [robertobassani@hotmail.com](mailto:robertobassani@hotmail.com) [roberto.bassani1@unimi.it](mailto:roberto.bassani1@unimi.it)

[segreteria@robertobassani.com](mailto:segreteria@robertobassani.com)



## WORKING EXPERIENCE

- Date: From 1997-2000

Department of Orthopedics and Traumatology General Hospital - Gallarate (Varese) -IT

- Type of employment:

Orthopaedic-Traumatologist specialist

- Date: From April 2001 to December 2009

IRCCS Policlinico Universitario San Matteo – Pavia (Scientific Research and University Hospital)

- Main duties and responsibilities:

first level medical director:

- general traumatology and trauma emergency room
- Head of Spine Surgery

- Date: from January 2010 to today:

IRCCS Galeazzi Sant'Ambrogio Hospital (formerly IRCCS Galeazzi Orthopedic Institute until August 2022)

Scientific Research and University Hospital:

- Type of employment:

orthopedic specialist and traumatologist – spinal surgery

- Main duties and responsibilities:

Head of Orthopedics Department 1

Director of the Spinal Surgery Unit

Adjunct professor in Orthopedics and Traumatology of the State University of Milan (from 2018 to date).

## EDUCATION AND TRAINING

- Humanistic high school diploma
- School of Medicine - University of Pavia IT

- Qualification obtained:

Degree in Medicine and Surgery (**Medical Doctor**) "cum laude" with Honours (1992)

- 1992-1997

- Name and type of educational or training institution:

Specialization School in Orthopedics and Traumatology University of Pavia -IT

- Main subjects / professional skills covered by the study:

- anatomy; general surgery; principles of orthopedic and traumatological surgical technique

- Qualification obtained:

**Master Degree in Orthopedics and Traumatology** University of Pavia

score of 50/50 "cum Laude")

- 1997-1998

- training institution for PhD student in Anatomy at the School of Medicine of the University of Pavia  
general anatomy; histology and physiology of tissues

- Qualification achieved: **PhD Anatomy**

1999-2003

training institution in Vascular Surgery at the School of Medicine of the University of Pavia

- Qualification achieved: **Bachelor in Vascular Surgery**

### • TRAINING:

- Name and type of educational or training institution From 1998 to 2006, residential refresher courses and spinal surgery fellowships at the following institutes:

- "Twin cities Spine Center" of Minneapolis (USA) directed by Dr. F. Dennis, R.Winter, J.Lonstein

- "Departement De Chirurgie Orthopedique et Traumatologique de L'Institut Mutualiste Montsouris" in Paris directed by Prof. Christian Mazel

- "Service d'Orthopédie du rachis et de Traumatologie du Sport" of the Hopitaux Universitaires de Strasbourg directed by Prof. Jean Paul Steib.

- "Department of Orthopedic and Spine Surgery" in Bad Berka Weimar (Germany) Head of Department: Heiner Boehm

- "Department of Pediatric and Adult Spinal deformity" at Sutter Neuroscience Medical Group of Sacramento (CA), USA - Head: George D. Picetti III. (second half of 2006)

### PROFESSIONAL SKILLS:

Complex spinal surgery techniques (revision and anterior approaches) – deformity surgery – Vascular Surgery. He is frequently called as a "visiting surgeon" in various Italian hospitals to perform complex revision surgeries on the lumbar and thoracic spine through anterior approaches with minimally invasive and traditional techniques. He has performed more than 8000 major spinal surgeries (of which more than 3000 anterior approaches) of the cervical, thoracic and lumbar tracts for the treatment of spinal trauma, scoliosis, spondylolisthesis, canal stenosis, cervical and lumbar degenerative disc disease, metastatic tumors of the vertebrae, infections, segmental instability of the spine. He currently performs

all surgical approaches to the spine: posterior and combined anterior-posterior as well. It regularly hosts surgeons (fellows) from every Italian region and from abroad to demonstrate the techniques of anterior approaches to the thoracic and lumbar spine and revision techniques in adult deformities. He is frequently called as a speaker at national and international conferences on topics relating to minimally invasive spinal surgery and complex deformity surgery. He is author of scientific publications in international journals and coordinator of ongoing national and international research projects. Since 2005 he has coordinated surgical anatomy sessions on cadavers, teaching anterior approach to the spine for fusion (ALIF) techniques to surgeons from various European countries. In 2006-2007 at the Anatomy Laboratory of the "Université René Descartes" of Paris (France) and at the Institute of Anatomy of the University of Vienna he was "tutor" in the theoretical and practical course on cadaver organized by the G.I.S. (Italian Society of Spine Surgery) for spinal surgeons in training. In January 2009 he won "The First Prize Winner at the 13th International ARGOS (European Association of Research Groups for Spinal Osteosynthesis) Spine Symposium in Paris, with a reading entitled "Long distance anterior revision surgery after TDR. Minimal invasive technique". He was invited in September 2009 and 2014 to the JPSSSTSS (Japan Society for the study of Surgical Technique for Spine and Spinal nerves) conference for masterly lectures on complex techniques in spinal surgery. In 2014-2015 and 2019/2020 he was professor of minimally invasive techniques in spinal surgery in the "Master of spinal surgery" for Neurosurgeons in the University of Turin. From 2018 he is professor in Orthopedics and Traumatology in the University of Milan teaching:

- Anatomy and biomechanics of the spine
- "minimally invasive approach to the lumbar spine"
- Diseases of the musculoskeletal system

Specific interests are congenital (deformity) and degenerative pathologies of the spine. The study and practice of anterior approaches to the spine and the development of minimally invasive techniques (anterior surgical approaches to the spine, endoscopic thoracic spine surgery). He is the creator of the minimally invasive technique to expose the lumbar spine through the periumbilical (Keyhole Perinavel) approach and of the reduction technique with a double approach for High grade spondylolisthesis (Sled Technique), both published in international journals.

He contributed to develop a system patented in the United States and used internationally (US Patent App.15/044,947- 2016) for the planning and intraoperative execution of spinal deformity correction called "Bendini" and contributed to the design and planning of the "Supine ALIF" anterior retractor by Nuvasive.

Since 2012 he has directed many cadaver labs for "Nuvasive" for teaching fusion techniques with lateral (XLIF) and anterior approaches (ALIF). He has also been a visiting surgeon in many European and EMEA countries as a consultant for different companies for the training of surgeons on anterior and lateral surgical techniques specially in complex operations.

#### **OTHER:**

- Obtained ARGOS (France) Training License in Spinal Surgery

In 2020 he participated and won the competition for the National Scientific Qualification (ASN) of the Ministry of University and Scientific Research (MIUR), obtaining the qualification as Associate University Professor in Orthopedics and Traumatology.

#### **FIRST LANGUAGE ITALIAN**

#### **OTHER LANGUAGES**

#### **ENGLISH**

## **RELATIONAL SKILLS**

EASY TO ESTABLISH WORKING RELATIONSHIPS AND COLLABORATION LOW CONFLICT IN  
INTERPERSONAL RELATIONSHIPS

## **ORGANIZATIONAL SKILLS**

HIGH CAPACITY FOR INNOVATION, ACQUISITION OF NEW CONCEPTS AND PRACTICES FOR THE  
GROUP. LEADERSHIP SKILLS.

Since 2019 he has been a member, as a volunteer surgeon who carries out assistance activities at the hospital in the village of Afagnan in the Republic of TOGO, of a group of doctors coordinated by Prof Giuseppe Peretti of the State University of Milan.

## **TECHNICAL SKILLS**

ADVANCED SPINE SURGERY (LEADERSHIP AT INTERNATIONAL LEVEL ON THE ANTERIOR APPROACH  
TO THE THORACO-LUMBAR SPINE AND REVISION SURGERY) WITH THE USE OF VIDEO ASSISTANCE  
AND DEDICATED SOFTWARE

ORTHOPEDIC AND VASCULAR SURGERY. TRAUMATOLOGY GOOD COMPUTER SKILLS

### **ARTISTIC SKILLS**

Music, writing, drawing etc.

## **OTHER SKILLS AND COMPETENCES**

Playing bass, guitar. Drawing with pencil and charcoal technique and oil painting

A.I.S. Course Sommelier

Assistant editorial board of European Spine Journal

Author and co-author of numerous scientific articles in international journals

Member of the "SCIENTIFIC ADVISORY BOARD" of GKSD Healthcare Management & Consulting since  
January 2023.

Member of the National Association of Italian Knights (UNCI) from which he received a diploma of Honor  
and Merit. Member of the UNCI Board of Directors of the provincial section of Pavia

Gold Medal for Public Health 2025 awarded by the President of the Italian Republic Sergio Mattarella on  
7/4/2025 at the Quirinale Palace for his original research in minimally invasive anterior spinal surgery.

## MAIN PUBLICATIONS:

In the shadow of stability lies ruin: Occult vascular injuries in geriatric pelvic trauma

Luca Galassi, Matteo Lino Ravini, **Roberto Bassani**, Giulio Mercandalli, Giuseppe Diodato Santoro

*World J Clin Cases* 2025 October 16; 13(29): 108403 DOI: 10.12998/wjcc.v13.i29.108403

Malnutrition and Disability: A Retrospective Study on 2258 Adult Patients Undergoing Elective Spine Surgery

M Briguglio, A Campagner, **R Bassani**, F Langella, R Cecchinato, M Damilano, **Medicina (Kaunas)** 2025 Mar; 61(3): 413. Published online 2025 Feb 26. doi: 10.3390/medicina61030413

Change in pelvic incidence due to sacral stress fracture following multilevel instrumented fusion

Pozzi P, Morselli C, Cirullo A, **Bassani R**

*BMJ Case Reports CP* 2024;17:e256319.

Tumour-like' lesion caused by cervical discal instability

Santoro GD, Morselli C, Cirullo A, **Bassani R**

*BMJ Case Reports CP* 2024;17:e257373

Budget Impact Analysis of Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion for Lumbar Degenerative Disease: A European Hospital Perspective

**Roberto Bassani**, Thibaut Galvain, Suzanne Battaglia, Hendramoorthy Maheswaran, George Wright, Ankita Kamli, Alessandra Piemontese

*Clinicoecon Outcomes Res.* 2024 Jan 18:16:13-24.

The influence of peri-operative depressive symptoms on medium-term spine surgery outcome: a prospective study

Pablo Bellota-López, Filippo Mandelli, Francesco Langella, Marco Brayda-Bruno, **Roberto Bassani**, Riccardo Cecchinato, Domenico Compagnone, Fabrizio Giudici, Andrea Luca, Carlotta Morselli, Laura Scaramuzzo, Daniele Vanni, Matteo Ponzo, Pedro Berjano

*Eur Spine J.* 2023 Aug 8. PMID: 37552328 DOI: 10.1007/s00586-023-07875-2

Quality Control for Spine Registries: Development and Application of a New Protocol

Baroncini A; Langella F; Barletta P; Cecchinato R; Vanni D; Giudici F; Scaramuzzo L; **Bassani R**; Morselli C; Brayda-Bruno M; Luca A; Lamartina C; Berjano P

*American Journal of Medical Quality* June 15,2023. | DOI: 10.1097/JMQ.0000000000000128

A novel less invasive endoscopic-assisted procedure for complete reduction of low-and high-grade isthmic spondylolisthesis performed by anterior and posterior combined approach.

**Bassani R**, Morselli C, Cirullo A, Pezzi A, Peretti GM.

*Eur Spine J.* 2023 Mar 31. doi: 10.1007/s00586-023-07666-9. Online ahead of print. PMID: 37000218

Relationship between lumbar lordosis, pelvic parameters, PI-LL mismatch and outcome after short fusion surgery for lumbar degenerative disease. Literature review, rational and presentation of public study protocol: RELApSE study (registry for evaluation of lumbar arthrodesis sagittal alignment).

Tartara F, Garbossa D, Armocida D, Di Perna G, Ajello M, Marengo N, Bozzaro M, Petrone S, Giorgi PD, Schirò GR, Legrenzi S, Boeris D, Piazzolla A, Passarelli AC, Longo A, Ducati A, Penner F, Tancioni F, Bona A, Paternò G, Tassorelli C, De Icco R, Lamaida GA, Gallazzi E, Pilloni G, Colombo EV, Gaetani P, Aimar E, Zoia C, Stefini R, Rusconi A, Querenghi AM, Brembilla C, Bernucci C, Fanti A, Frati A, Manelli A, Muzii V, Sedia M, Romano A, Baram A, Figini S, Ballante E, Gioia G, Locatelli M, Pluderi M, Morselli C, **Bassani R**, Costa F, Cofano F.

*World Neurosurg X.* 2023 Jan 27;18:100162. doi: 10.1016/j.wnsx.2023.100162. eCollection 2023 Apr. PMID: 36818735 .

The burden of preoperative fear-avoidance beliefs in workers after thoracic and lumbar spine surgery: a 2-year follow-up study.

Bellotta-López P, Langella F, Ponzo M, **Bassani R**, Brayda-Bruno M, Damilano M, Giudici F, Lovi A, Morselli C, Redaelli A, Scaramuzzo L, Lamartina C, Berjano P.  
Pain. 2023 Jan 19. doi: 10.1097/j.pain.0000000000002866. Online ahead of print. PMID: 36661188

Perioperative Anesthesia and Acute Smell Alterations in Spine Surgery: A "Sniffing Impairment" Influencing Refeeding?  
Briguglio M, Crespi T, Langella F, Riso P, Porrini M, Scaramuzzo L, **Bassani R**, Brayda-Bruno M, Berjano P.  
Front Surg. 2022 Mar 16;9:785676. doi: 10.3389/fsurg.2022.785676. eCollection 2022.

Efficacy and indications of Anterior Lumbar Interbody Fusion (ALIF): A single-center experience on more than 100 cases.  
I.Borghesi. R. Draghi, I.Barni, G.Staffa, A. Messina; G. Ghisellini; **R.Bassani**; A. Delitala, F. Lolli  
Brain and Spine 2(2022) 101190 - 101239

Simultaneous L5-S1 anterior lumbar interbody fusion and total hip arthroplasty through minimally invasive anterior approaches in hip-spine syndrome  
**R. Bassani**, [P. Sirtori](#), [C. Morselli](#), [A. Cirullo](#), [R. Ciliberto](#), [L. Mangiavini](#), [G.M. Peretti](#)  
Journal of Biological Regulators and Homeostatic Agents » 2022, Vol. 36 » Issue (2) : 239-245. DOI: 10.23812/22-59-A

Prediction of Long-Term Recovery From Disability Using Hemoglobin-Based Models: Results From a Cohort of 1,392 Patients Undergoing Spine Surgery.  
Briguglio M, Perazzo P, Langella F, Crespi T, De Vecchi E, Riso P, Porrini M, Scaramuzzo L, **Bassani R**, Brayda-Bruno M, Banfi G, Berjano P.  
Front Surg. 2022 Mar 16;9:850342. doi: 10.3389/fsurg.2022.850342. eCollection 2022. PMID: 35372461

Successful salvage strategy using anterior retroperitoneal approach in failed posterior lumbar interbody fusion. A retrospective analisys on lumbar lordosis and clinical outcome.  
**Bassani R**, Morselli C, Cirullo A, Querenghi AM, Mangiavini L.  
Eur Spine J. 2022 Jul;31(7):1649-1657. doi: 10.1007/s00586-022-07247-2. Epub 2022 Jun 2

"Congenital instability of cervical spine in a pediatric patient with cleft lip and palate" \_Carlotta Morselli, Patrizia Mancini, Agostino Cirullo, Laura Mangiavini, **Roberto Bassani**  
Interdisciplinary Neurosurgery: Advanced Techniques and Case Management 27 (2022) 101413

Surgical Treatment of Diffuse Idiopathic Skeletal Hyperostosis (DISH) Involving the Cervical Spine: Technical Nuances and Outcome of a Multicenter Experience.  
Lofrese G, Scerrati A, Balsano M, **Bassani R**, Cappuccio M, Cavallo MA, Cofano F, Cultrera F, De Iure F, Biase FD, Donati R, Garbossa D, Menegatti M, Olivi A, Palandri G, Raco A, Ricciardi L, Spena G, Tosatto L, Visani J, Visocchi M, Zona G, De Bonis P.  
Global Spine J. 2022 Oct;12(8):1751-1760. doi: 10.1177/2192568220988272. Epub 2021 Feb 16. PMID: 33590802

Correction to: Major complications in extreme lateral interbody fusion access: multicentric study by Italian S.O.L.A.S. group.  
Piazzolla A, Bizzoca D, Berjano P, Balsano M, Buric J, Carlucci S, Formica C, Formica M, Lamartina C, Musso C, Tamburrelli F, Damilano M, Tartara F, Sinigaglia A, **Bassani R**, Neroni M, Casero G, Lovi A, Garbossa D, Nicola Z, Moretti B.  
Eur Spine J. 2021 Jan;30(1):234. doi: 10.1007/s00586-020-06614-1

The use of electronic PROMs provides same outcomes as paper version in a spine surgery registry. Results from a prospective cohort study.  
Langella F, Barletta P, Baroncini A, Agarossi M, Scaramuzzo L, Luca A, **Bassani R**, Peretti GM, Lamartina C, Villafañe JH, Berjano P.  
Eur Spine J. 2021 Sep;30(9):2645-2653. doi: 10.1007/s00586-021-06834-z. Epub 2021 May 10. PMID: 33970326

SUCCESSFUL SALVAGE ANTERIOR RETROPERITONEAL APPROACH IN REVISION SURGERY FOR FAILED TRANSFORAMINAL OR POSTERIOR INTERBODY FUSION (TLIF-PLIF): TECHNICAL CONSIDERATION OF 32 CONSECUTIVE CASES.

Morselli C, Cirullo A, **Bassani R**.

Orthop Procs. 2021;103-B(SUPP\_13):126-126. doi:10.1302/1358-992X.2021.13.126

The Influence of Baseline Clinical Status and Surgical Strategy on Early Good to Excellent Result in Spinal Lumbar Arthrodesis: A Machine Learning Approach.

Berjano P, Langella F, Ventriglia L, Compagnone D, Barletta P, Huber D, Mangili F, Licandro G, Galbusera F, Cina A, Bassani T, Lamartina C, Scaramuzzo L, **Bassani R**, Brayda-Bruno M, Villafañe JH, Monti L, Azzimonti L.

J Pers Med. 2021 Dec 16;11(12):1377. doi: 10.3390/jpm11121377

New Trends in Spinal Surgery: Less Invasive Anatomical Approach to the Spine. The Advantages of the Anterior Approach in Lumbar Spinal Fusion.

**Bassani R**, Morselli C, Baschiera R, Brock S, Gavino D, Prandoni L, Cirullo A, Mangiavini L.

Turk Neurosurg. 2021;31(4):484-492. doi: 10.5137/1019-5149.JTN.33958-21.1.

Major complications in extreme lateral interbody fusion access: multicentric study by Italian S.O.L.A.S. group.

Piazzolla A, Bizzoca D, Berjano P, Balsano M, Buric J, Carlucci S, Formica C, Formica M, Lamartina C, Musso C, Tamburrelli F, Damilano M, Tartara F, Sinigaglia A, **Bassani R**, Neroni M, Casero G, Lovi A, Garbossa D, Nicola Z, Moretti B. Eur Spine J. 2021 Jan;30(1):208-216. doi: 10.1007/s00586-020-06542-0. Epub 2020 Aug 3. PMID: 32748257

Correction to: Major complications in extreme lateral interbody fusion access: multicentric study by Italian S.O.L.A.S. group.

Piazzolla A, Bizzoca D, Berjano P, Balsano M, Buric J, Carlucci S, Formica C, Formica M, Lamartina C, Musso C, Tamburrelli F, Damilano M, Tartara F, Sinigaglia A, **Bassani R**, Neroni M, Casero G, Lovi A, Garbossa D, Nicola Z, Moretti B.

Eur Spine J. 2020 Oct 9. doi: 10.1007/s00586-020-06614-1. Online ahead of print. PMID: 33034746

Functional and radiological outcome of anterior retroperitoneal versus posterior transforaminal interbody fusion in the management of single-level lumbar degenerative disease.

**Bassani R**, Morselli C, Querenghi AM, Nuara A, Sconfienza LM, Peretti GM.

Neurosurg Focus. 2020 Sep;49(3):E2. doi: 10.3171/2020.6.FOCUS20374. PMID: 32871567

Total hip arthroplasty for osteonecrosis of the femoral head in sickle cell disease: a case series from our african experience

G Rossi, N Maffulli, MDM Lombardo, F Manfroni, **R Bassani**, B V Petrachi, P Sirtori, A Brugnoli, T Cuccuru, L Brambilla, M Domenicucci, A Marmotti, O E K Dzissah, L Mangiavini, N K Kombate, GM Peretti  
J Regul Homeost Agents. 2019 33 (6 Suppl 3), 219-222

Management of gunshot wound to the lumbosacral spine in a 17-year-old girl without neurological impairment

**R Bassani**, C Morselli, M Agnoletto, L Brambilla, GM Peretti

J Biol Regul Homeost Agents 2019 33 (6 Suppl 3), 1-5

Video-assisted anterior retroperitoneal approach to the lumbar spine. A minimally invasive technique improved by the use of an endoscopic camera to treat lumbar spinal diseases

**R Bassani**, C Morselli, A M Querenghi, M Agnoletto, L Brambilla, L Mangiavini

J Biol Regul Homeost Agents 2019 33 (6 Suppl. 3), 7-14

Modifications of spinopelvic parameters and acetabular orientation after spinal surgery for adult deformity in patient who underwent bilateral total hip arthroplasty

**Roberto Bassani**, Amos M. Querenghi, Antonino Giacalone, Lorenzo Prandoni, Giuseppe M. Peretti

J Biol Regul Homeost Agents 2019 33 (6 Suppl. 3), 15-21

Bilateral tha in the same sitting for avascular necrosis of the head of the femur in sickle cell patient: our african experience  
G M Peretti M D M Lombardo, N Maffulli, **R Bassani**, B V Petrachi, G Rossi, F Manfroni, P Sirtori, L Brambilla, M Agnoletto, A

Marmotti, O Edem Kwashivi Dzissah, L Mangiavini, N K Kombate  
J Biol Regul Homeost Agents 2019 33 (6 Suppl. 3), 105-114

Use of lordotic cages in L5-S1 anterior lumbar interbody fusion (alif) procedures  
**R Bassani** , F Gregori, C Morselli, A Querenghi, A Giacalone, M Agnoletto, L Mangiavini,  
J Biol Regul Homeost Agents 2019 33 (6 Suppl. 3), 23-28

Periprosthetic joint infection from mycobacterium tuberculosis in Togo, africa  
M D M Lombardo, N Maffulli, **R Bassani**, B V Petrachi, G Rossi, F Manfroni, P Sirtori, A Brugnoli, T Cuccuru, M Domenicucci, L Brambilla, A Marmotti, O Edem Kwashivi Dzissah, L Mangiavini, N K Kombate  
J Biol Regul Homeost Agents 2019 33 (6 Suppl 3), 114-118

One-stage bilateral total hip arthroplasty in patient with sickle cell disease and previous girdlestone procedure on the right side: first presentation in Togo  
G M Peretti F Manfroni, N Maffulli, MDM Lombardo, G Rossi, P Sirtori, B V Petrachi, **R Bassani**, M Agnoletto, L Brambilla, A Marmotti, L Mangiavini, O Edem Kwashivi Dzissah, N K Kombate  
J Biol Regul Homeost Agents 2019 33 (6 Suppl.3) 171-174

Evolution of the anterior approach in lumbar spine fusion  
**Bassani R**, F. Gregori, G. Peretti  
World neurosurgery 131: 391-398, nov 2019

Systems and methods for planning, performing, and assessing spinal correction during surgery  
T Scholl, P Miles, **R Bassani**  
2019 US Patent App. 16/351,107

A new "keyhole" approach for multilevel anterior lumbar interbody fusion: the perinavel approach-technical note and literature review.  
**Bassani R**, Querenghi A, Cecchinato R, Morselli C, Casero G, Gavino D, Brock S, Ferlinghetti C.  
Eur Spine J. 2018 Aug;27(8):1956-1963. doi: 10.1007/s00586-018-5659-0.

Revision surgery for degenerative spinal deformity: a case report and review of the literature.  
Donnarumma P, Tarantino R, Nigro L, Fragale M, **Bassani R**, Delfini R.  
Spinal Cord Ser Cases. 2017 Nov 30;3:17085. doi: 10.1038/s41394-017-0008-9. eCollection 2017

Chapt. 13 Role of minimally invasive surgery in back pain for degenerative spine  
Vialle, Luiz Roberto et al.:  
2017 AOSpine Master Series: AOSpine Masters Series- DOI: 10.1055/b-0036-139149 BOOK THIEME NY  
**Bassani R**, Serchi E

Systems and methods for planning, performing, and assessing spinal correction during surgery  
T Scholl, P Miles, **R Bassani**  
US Patent App. 15/044,947 2016

Video-assisted anterior retroperitoneal approach to the lumbar spine. A minimal invasive technique improved by the use of endoscopic camera to treat lumbar spine diseases  
**Roberto Bassani**, Riccardo Cecchinato, Carlotta Morselli, Pedro Berjano, Claudio Lamartina  
International Journal of Clinical Medicine, 2016, 7, 94-100

Classification of sagittal imbalance based on spinal alignment and compensatory mechanism  
C. Lamartina, R. Cecchinato, **R. Bassani**, G. Casero, M. Pejrona, P. Berjano  
Eur Spine J (2015) 24:893 DOI 10.1007/s00586-015-3885-2

Anterior cervical decompression and 360° fusion with posterior pedicle screws c6-c7.

**Bassani R**, Cecchinato R, Lamartina C.

Eur Spine J. 2015 Jun;24 Suppl 5:652-3. doi: 10.1007/s00586-015-3797-1.

Circumferential fusion with lateral masses screws in cervical post-traumatic instability.

**Bassani R**, Cecchinato R, Lamartina C.

Eur Spine J. 2015 Jun;24 Suppl 5:645-6. doi: 10.1007/s00586-015-3792-6.

Osteotomies in proximal junctional kyphosis in the cervicothoracic area.

Cecchinato R, Berjano P, **Bassani R**, Lamartina C.

Eur Spine J. 2015 Jan;24 Suppl 1:S31-7. doi: 10.1007/s00586-014-3654-7. Epub 2014 Nov 15

Intersomatic cages and sagittal balance

**R. Bassani**, R. Cecchinato, C. Morselli1, A. Sinigaglia, G. Casero, C. Lamartina

Eur Spine J (2015) 24:877 DOI 10.1007/s00586-015-3885-2

In-situ L5-S1 fusion of a stable, sagittally balanced L5 spondyloptosis.

Lamartina C, **Bassani R**, Cecchinato R, Sinigaglia A, Berjano P.

Eur Spine J. 2014 Dec;23(12):2769-70.

Anatomical considerations for dynamic neutralization of the lumbar spine using less invasive techniques-lumbar muscle anatomy, architectural analysis and biomechanism to avoid muscle damage during surgery

**R.Bassani**, E.Serchi

“Dynamic Stabilization of the lumbar spine”. Gilles. G Dubois editor.

Sauramps Medical 2014

Transthoracic lateral retropleural minimally invasive microdiscectomy for t9-t10 disc herniation.

Berjano P, Garbossa D, Damilano M, Pejrona M, **Bassani R**, Doria C.

Eur Spine J. 2014 Jun;23(6):1376-8. doi: 10.1007/s00586-014-3369-9

Anterior multiple cervical corpectomy and fusion.

**Bassani R**, Lamartina C, Casero G, Berjano P.

Eur Spine J. 2014 Sep;23(9):2024-5. doi: 10.1007/s00586-014-3497-2.

How do interbody devices affect sagittal plane alignment.

Cecchinato R, Berjano P, **Bassani R**, Sinigaglia A, Lamartina C.

J Neurosurg Sci. 2014 Jun;58(2 Suppl 1):87-90.

Variations of cervical lordosis and head alignment after pedicle subtraction osteotomy surgery for sagittal imbalance.

Cecchinato R, Langella F, **Bassani R**, Sansone V, Lamartina C, Berjano P.

Eur Spine J. 2014 Oct;23 Suppl 6:644-9. doi: 10.1007/s00586-014-3546-x. Epub 2014 Sep 12

Failures and revisions in surgery for sagittal imbalance: analysis of factors influencing failure.

Berjano P, **Bassani R**, Casero G, Sinigaglia A, Cecchinato R, Lamartina C.

Eur Spine J. 2013 Nov;22 Suppl 6:S853-8. doi: 10.1007/s00586-013-3024-x. Epub 2013 Sep 24

Minimally invasive double approach (anterior and posterior) to the lumbar spine in revision surgery.

**Bassani R**, Sinigaglia A, Lamartina C.

Eur Spine J. 2012 Sep;21(9):1900-2. doi: 10.1007/s00586-012-2475-9. PMID: 22983650

Minimally invasive double approach (anterior and posterior) to the lumbar spine in revision surgery.  
**Bassani R**, Sinigaglia A, Lamartina C.  
Eur Spine J. 2012 Sep;21(9):1900-2.

Metabolic effects of vitamin d active metabolites in monolayer and micromass cultures of nucleus pulposus and annulus fibrosus cells isolated from human intervertebral disc.  
Colombini A, Lanteri P, Lombardi G, Grasso D, Recordati C, Lovi A, Banfi G, **Bassani R**, Brayda-Bruno M.  
Int J Biochem Cell Biol. 2012 Jun;44(6):1019-30. doi: 10.1016/j.biocel.2012.03.012. Epub 2012 Mar 28.

Criteria to restore the sagittal balance in deformity and degenerative spondylolisthesis.  
Lamartina C, Berjano P, Petrucci M, Sinigaglia A, Casero G, Cecchinato R, Damilano M, **Bassani R**.  
Eur Spine J. 2012 May;21 Suppl 1:S27-31. doi: 10.1007/s00586-012-2236-9. Epub 2012 Mar 13. Review.

Failures and revisions in surgery for sagittal imbalance. Analysis of factors influencing failure  
P. Berjano, G. Casero, A. Sinigaglia, R. Cecchinato, **R. Bassani**, C. Lamartina  
European Spine Journal April 2012, Volume 21, Issue 4, pp 769

Validation of three methods for calculation of the need correction in surgery for sagittal imbalance  
P. Berjano, R. Cecchinato, M. Petrucci, M. Damilano, **R. Bassani**, C. Lamartina  
Eur Spine J April 2012, Volume 21, Issue 4, pp 783

Video-assisted minimally invasive lumbar total disc replacement.  
**Bassani R**, Sinigaglia A, Lamartina C.  
Eur Spine J. 2011 Dec;20(12):2282-3. doi: 10.1007/s00586-011-2077-y.

Thoracoscopic approach for the treatment of adult spondylolisthesis  
A. Sinigaglia, **R. Bassani**  
Eur Spine J (2009) 18:739 DOI 10.1007/s00586-009-0962-4

Early and late complication in Charité TDR: an anterior revision surgery after 7 years.  
R. Bassani  
ArgoSpine News J 21, 159–161 (2009). <https://doi.org/10.1007/s12240-009-0033-z>

La colonna vertebrale  
**R.Bassani**  
in volume: "Traumatologia dello Sport. Clinica e Terapia"  
Edi -Ermes 2005 cap 6 pag 57-119

Amtolmetin guacyl versus piroxicam in patients with osteoarthritis.  
Montrone F, Santandrea S, Caruso I, Gerli R, Cesari ME, Frediani P, **Bassani R**.  
J Int Med Res. 2000 Mar-Apr;28(2):91-100

The effect of excipient addition on the antibiotic elution from bone cement. An in vitro study  
FA Grassi, **R Bassani**, F D'Angelo, UE Pazzaglia - JOURNAL OF BONE AND JOINT SURGERY-BRITISH ..., 1999

In vitro elution of gentamycin from acrylic cement in relation to antibiotic concentration  
Grassi F. A., **Bassani R.**, Tovagliero I., Pazzaglia U. E  
Minerva Ortopedica e Traumatologica 1998 October;49(10):345-50  
Copyright © 1998 EDIZIONI MINERVA MEDICA

Valutazione clinica sull'efficacia e la tollerabilità della pefloxacina nel trattamento delle infezioni in ortopedia e traumatologia.

Grassi F.A.; **Bassani, R.**; Cherubino, P.  
ORTOPEDIA E TRAUMATOLOGIA OGGI, 1996, 16: 31-36.

Problemi specifici nel trattamento delle protesi infette

F.A. Grassi, **R. Bassani**

Pag 205-222

in "Gli Insuccessi delle protesi totali di ginocchio"

Witchig ed. 1995

#### **SCIENTIFIC AFFILIATIONS:**

- Italian Society of Orthopedic and Trauma (S.I.O.T.) since 1995
- Italian Spine Society (SICV-GIS) since 1999 (currently Member of the National Board of Directors)
- European Association of Research Groups for Spinal Osteosynthesis (A.R.G.O.S.) since 2000.
- Scoliosis Research Society (S.R.S.) since 2007. Active Fellow
- AO Spine international member since 2007 (professional membership).
- Eurospine since 2010
- Full member Anatomical Society UK

Creator of a patented system (US patented) for the planning and intraoperative execution of spinal deformity correction called "Bendini":

#### **SYSTEMS AND METHODS FOR PLANNING , PERFORMING , AND ASSESSING SPINAL CORRECTION DURING SURGERY**

Inventors : Thomas Scholl , San Diego , CA ( US )  
Patrick Miles , San Diego , CA ( US )  
Roberto Bassani , Milan ( IT )

US Patent App. 15/044,947 2016

Consultant for the development of new projects (research) and for international training activities for: GLOBUS-NUVASCIVE; JOHNSON & JOHNSON MEDICAL.

Milan, Italy

August 15<sup>th</sup>, 2025

Roberto Bassani MD PhD

