

**Europass  
Curriculum Vitae**

**Personal information**

First name(s) / Surname(s)

**Gheorghe Burnei**

Address(es)

Fax(es)

E-mail

Nationality

Date of birth

Gender

**Desired employment /  
Occupational field**

**Work experience,  
Education and training**

**Period Activity**

Since Mai 2011 Titulary member of the Central European Academy of Science, Arts and Letters

Since August 2010 Long term expert and member of the Postdoctorate Research Group

Since 1 Oct. 2007 University Professor in Pediatric Surgery and Orthopedics at U.M.F. „Carol Davila” Bucharest

2007-2016 Head of Pediatric Surgery and Orthopedic Clinics of E.H.C. „M. S. Curie”, Bucharest

2003-2007 University Assistant Professor at U.M.F. „Carol Davila”

Head of Pediatric Surgery and Orthopedic Clinics of E.H.C. „M. S. Curie”, Bucharest

2002 PhD in medicine

1998-2003 University Lecturer at U.M.F. „Carol Davila”

Head of Pediatric Surgery and Orthopedic Clinics of E.H.C. „M. S. Curie”, Bucharest

1997 I was invited by Prof. P. F. LEYVRAZ, Head of Orthopedics clinics of Lausanne and worked there during 1-30 July 1997 watching and helping in operations

1996 Admission exam on PhD at the University „Carol Davila” Bucharest, Department of Surgery and Paediatrics Orthopaedics, on the theme *The use of external locks in orthopaedic surgery*

1993 Through 20-28 February 1993 I was invited by Prof. CZESLAUW MARKIEWICZ, president of Medical Academy of Szczecin, Poland, where I got the opportunity to research the congenital malformations at children.

1992 I became surgeon and orthopaedist at the Surgery and Paediatric Orthopaedics Clinic S.C.U.C. „M. S. Curie” Bucharest

1991-1992 Specialist Physician at the Surgery and Paediatric Orthopaedics Clinic S.C.U.C. „M. S. Curie” Bucharest

1990 I was invited to Belgium and I participated at the surgery schedule of the Esneux Intercomunitary Hospital and at the University Centre of Liege, during 7-14 march 1990. Here I have researched on congenital hip dislocations, on bone tumours at children and on social issues (I was invited by G. PIRRET, general manager of Esneux Hospital and Prof. F. BONNET, chief surgeon of the Children Hospital in Liege).

1985-1991 Specialist Physician on Surgery and Paediatric Orthopaedics at the Territorial Hospital of Mangalia.

1985-1986 I’ve graduated the post-university courses on *Novelties in Paediatric Surgery*, organised by the Medicine and Pharmacy Institute of Bucharest, College of General Medicine (graduation diploma series C, no. 5710, released on 28.12.1986).

1985 I’ve sustained the Specialist Exam on Surgery and Paediatric Orthopaedics.

1982-1985 Training as a secondary physician at the Surgery and Paediatric Orthopaedics Clinic E.H.C. „M. S. Curie” and „Grigore Alexandrescu” Bucharest.

1978-1982 Internship on General Surgery at County Hospital Tîrgoviște.

1978 I have sustained my graduation exam on *Artery hypertension of renal causes at children*

1972-1978 Student at Paediatrics University at the Medicine and Pharmacy University of Bucharest

1967-1971 Student at the Economical High school Târgoviște

Occupation or position held

MD, PhD, Professor in Pediatric and Orthopedic Surgery, Chief of Pediatric and Orthopedic Surgery “M.S.Curie” Emergency Hospital for Children, Bucharest

Main activities and responsibilities

Pediatric Orthopedics Surgeon

Name and address of employer  
 Type of business or sector

UMF “Carol Davila” Medicine and Pharmaceuticals University Bucharest  
 “M.S.Curie” Emergency Hospital for Children, Bucharest

**Education and training**

See above

Dates  
 Title of qualification awarded  
 Principal subjects/occupational skills covered  
 Name and type of organisation providing education and training  
 Level in national or international classification

**Personal skills and competences**

R

Mother tongue(s)

**Romanian**

Other language(s)

Self-assessment  
*European level (\*)*

**Language**

**Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
English	C2		C2		C2		C2		C2
French	C2		C2		C2		C2		C2

(\*) Common European Framework of Reference for Languages

Driving licence

B category

**Additional information**

**A. DIDACTICAL ACTIVITY**

**a) Previous stages completed**

- preparatory
- university assistant
- chief of studies between 1998-2003
- associate professor between 2003-2007
- professor from 1 Oct. 2007

I mention that all the steps of my didactical evolution have been acquired through exams and I have fulfilled all my professional attributions according to each stage.

### **b)Teaching activity**

#### **UNIVERSITARY**

##### **– students**

1. Complete Paediatric Orthopaedics Course for 11 years
2. Practical Stages for Medical College Students

#### **POSTUNIVERSITARY**

– Interns on orthopaedics surgery, paediatrics orthopaedics , paediatrics surgery, plastic surgery, orthopaedics and traumatology

1. Paediatric Orthopaedics Courses of two weeks with each series of interns that have graduated the course at Orthopaedics Clinic of „M. S. Curie” Hospital between 1991-2006
2. Practical Stages, colloquia, seminars, exams with resident doctors

#### **Postgraduate courses held**

1. Post university Course „Methods of diagnosis and treatment of orthopaedic malformations” during 1 October 1999 – 15 November 1999 (3 hours orthopaedics + 1 hour radiology); the course was organised by the Romanian Surgery and Paediatrics Society , 1 day per week, total of 24 course hours
2. Post university Course „Basic concepts and novelties in paediatrics orthopaedics traumatology” during 10 march 2003 – 4 April 2003
3. Post university Course „Surgical treatment of spine disorders” during 5-19 April 2004, S.C.U.C. „M.S. Curie” Bucharest
4. Post university Course „Treatment principles in congenital hip dislocation” during 4-8 September 2006
5. Post university Course „Implantation technique and tactics of foreign locks for elongation of the pelvic limb deformities correction states” during 6-10 November 2006
6. Post university Course „Treatment and usurgical indications of congenital scoliosis” during 12-16 February 2007
7. Post university Course “Infant Hip Ultrasound” during 4-6 may 2007, *accredited by CMR with 15 credits EMC and by EACCME with 15 international credits EMC, guests of honour: Prof. Reinhard Graf, Mr. Kurt Lercher (Austria), Dr. Sally Scott, Ms. Angela Passels (UK)*
8. “2nd Infant Hip Ultrasound Course“ – Bucharest, Romania, Post university Course credited by CMR with 15 credits EMC, 18-20 April 2008, organizer: Prof. dr. Gh. Burnei, UMF „Carol Davila” Bucharest, Association „Trust Orfelinat Ungureni”, secretary: dr. Ileana Georgescu, *guests of honour: Prof. Reinhard Graf , Mr. Kurt Lercher (Austria), Dr. Sally Scott, Ms. Angela Passels (UK)*
9. „Reconstruction of blocked chest by the Nuss method” – Training course during 2 weeks on Paediatrics Surgery, Bucharest, 19-30.05.2008 (25 hours EMC)
10. „Novelties on diagnosis and treatment of imperfect ontogenesis” – Training course during 2 weeks on Paediatrics Surgery, Bucharest, 3-14 November 2008

##### **– at University of Medicine and Pharmacy Bucharest:**

1. Two Post university Courses at Cluj and Braşov: „Novelties in Paediatrics Orthopaedics Surgery”, „Emergency Surgery”
2. A Post university training course at Cluj: „The surgical treatment of hip dislocation dysplasia and of congenital hip dislocation”

3. „Congenital Scoliosis” – *The First National Conference ARTOP, Bucharest, 20-22 November 2008*
4. „Blocked chest – investigations, diagnosis, treatment. The minimal invasive procedure Nuss” – *The First National Conference ARTOP, Bucharest, 20-22 November 2008*
5. „The use of external locks in paediatric orthopaedics” – *The First National Conference ARTOP, Bucharest, 20-22 November 2008*
6. „Dysplasia and hip development dislocation: Therapeutic conduct” – *The second National Conference ARTOP, Bucharest, 8-10 October 2009*
7. „Hand-on, implantation of plates in shape of 8 on plastic bones” – *The second National Conference ARTOP, Bucharest, 8-10 October 2009*
8. „Neonatal osteoarticular suppurations”, Pre-conference course, *National conference of Paediatrics Surgery, Sovata, 5-7 May, 2011;*

### **c) Participation in Committees**

- **Admission**
- **Graduation**
- **Promotion exams**

3. Doctor's Tayssir El Nayef specialist exam, that took place at the Surgery and Paediatric Orthopaedics Clinic S.C.U.C. „M. S. Curie”, Bucharest, April 1994
4. The University assistant professor contest at the Surgery and Paediatric Orthopaedics Clinic S.C.U.C. „M. S. Curie”, Bucharest, April 1999
5. The University assistant professor contest of Muntean Liviu at the Medical College in Başov, , April 2000
6. The examination for specialist physician of Doctor Kamel S. From The Surgery and paediatric orthopaedics Clinic in Craiova, December 2002

### **- Reports regarding the PhD Thesis:**

7. „Intestinal Fistulas at children. Clinical, biochemical and therapeutic aspects” – belonging to dr. ALEXANDRU JALBA, University of Medicine şi Pharmacy „N. Testemiteanu” Chişinău, January 2003
8. „Diagnosis Particularities and orthopaedic treatment at children suffering from congenital multiple malformations of the locomotion function” – belonging to Dr. ARGENTINA SANDROSEAN, University of Medicine and pharmacy „N. Testemiteanu” Chişinău, May 2003
9. „The treatment of the undescended testicle” – belonging to Dr. VIRGIL CRISTEA, The Surgery and Paediatric Orthopaedics Clinic, County hospital Braşov, College of Medicine, University „Transilvania” Braşov, 2004
10. „Particularities of diagnosis and treatment of coxa valga dysplasia in children” – belonging to Dr. GRIGORII RUSANOVSCI, University of Medicine and Pharmacy „N. Testemiteanu” Chişinău, June 2011

### **- Supervisor of future graduates diploma research**

1. „Pelvic limb lengthening by Ilizarov external locks” – student FRONE VICENŢIU
2. „Pathologic fractures occurred on children's bones, resulted after benign or malign tumours” – student SOARE MIHAELA
3. „Femur lengthening through different methods” – student DRĂGHICI ADINA
4. „Epifiziolisis” – student CANDEA NICOLETA
5. „Congenital Muscular Torticollis” – student AXINTE DANA
6. „Patients' recovery after limb elongation by Ilizarov method” – student BRĂNESCU IUSTINA
7. „The use of external locks in bone tumour treatment” – student BURNEI CRISTIAN
8. „Acute osteomyelitis at newborns” – student TETRADOV SIMONA-CAMELIA
9. „The treatment in Lobstein disease” – student ZANFIR ANA-MARIA
10. „Ponseti Method in congenital foot varus equine therapy” – student Girbotei
11. „Diagnosis and treatment for hemimelia fibular” - student Popa Ioana
12. „The treatment for congenital scoliosis” - student
13. „Ultrasound diagnosis at newborns for hip dysplasia development” – student
  - **Head of the examination commission for specialist physician, paediatric orthopaedics section, session 17 October 2007**
  - **Head of the examination commission for specialist physician, paediatric orthopaedics section, session 17 October 2007**
  - **Head of the examination commission for specialist physician, paediatric surgery section, session 17 October 2008**

- Head of the examination commission for senior physician, paediatric orthopaedics domain, session 29 September 2008
- Head of the examination commission for specialist physician, paediatric orthopaedics domain, session 5 March 2009
- Head of the examination commission for specialist physician, paediatric orthopaedics section, session 14 October 2009
- Head of the examination commission for specialist physician, paediatric orthopaedics section, session 15 March 2010
- President of the examination commission to hire a specialist physician on Paediatric Surgery at the Children's Emergency Hospital "Grigore Alexandrescu", 20-21 January 2011
- President of the examination commission to hire a specialist physician on Paediatric Surgery at the S.C.U.C. "M.S. Curie", 27-28 January 2011
- President of the examination commission to hire a specialist physician on Paediatric Surgery at the S.C.U.C. "M.S. Curie", 31 January - 1 February 2011
- President of the examination commission to hire a specialist physician on Paediatric Orthopaedics at the Emergency Hospital "Baia Mare", 11 February 2011

## B. Published books

### Co-author:

1. A chapter in *The pathology of the locomotive function vol. I* treatise, contracted by Medical Publishing and coordinated by Prof. Dr. Dinu M. Antonescu (vol. I, 2006) :
  - „Amputation and prothesis at children” (cap. III.34 p. 791-807), Gh. Burnei, P. Neagoe – *The pathology of the locomotive function vol. I*, Medical Publishing, Bucharest, 2006, edited by Prof. Dr. Dinu Antonescu.
2. Two chapters in *The pathology of the locomotive function vol.II* treatise, contracted by Medical Publishing and coordinated by Prof. Dr. Dinu M. Antonescu (vol. II emerging):
  - „Pelvis fractures in children” (cap. VI.15), Gh. Burnei – *The pathology of the locomotive function, vol.II*, Medical Publishing, Bucharest, 2007, edited by Prof. Dr. Dinu Antonescu;
  - „Pelvis fractures in children” (cap. VI.16), Gh. Burnei – *The pathology of the locomotive function, vol.II*, Medical Publishing, Bucharest, 2007, edited by Prof. Dr. Dinu Antonescu.

### Coordinator:

1. *Paediatric Surgery and Orthopaedics. COURSE NOTES*, Universitary Publishing „Carol Davila” , Bucharest, 2002, and the main author of orthopaedic pathology

### Author:

1. *Osteosynthesis and limb elongation in paediatric orthopaedics using external locks*, Universitary Publishing „Carol Davila” , Bucharest, 2002
2. *Electromagnetic fields and their biological consequences*, Scriptum Publishing, 2000, Bucharest, 2003
3. *Malign bone tumours and electromagnetic therapy*, Kullusys Publishing, Bucharest, 2004
4. *Osteoporosis - Fundamental Notion*, Universitary Publishing „Carol Davila” Bucharest, 2004

## C. SCIENTIFIC PAPERS PUBLISHED OR COMUNICATED(see addendum)

## D. RESEARCH ACTIVITY

### a) Scientific papers related to „M. S. Curie” Hospital Bucharest

Nr. crt.	Name of the theme	Duration	Role in the project
1.	Research regarding the development of new clinical methods, of equipment and instrumentation for the treatment of severe osteoporosis (Lobstein disease) through osteosintesis	1997-1998	Coordinator

2.	Research regarding rachides osteoelastics synthesis by using biocompatible material	1997-2000	Coordinator
3.	Research regarding the influence of the magnetic field on bone sarcomas	<b>1997-2001</b>	<b>Coordinator</b>
4.	Research regarding the development of new clinical methods and equipments for intramedullar distraction of femur and tibia	<b>1997-2001</b>	<b>Coordinator</b>
5.	Research regarding the development of a control system and cifoscoliosis recovery	<b>1998-2001</b>	<b>Coordinator</b>
6.	Innovative aspects in developing external locks (grant in the Program of cooperation with the Republic of Moldova)	<b>1998-2001</b>	<b>DIRECTOR</b>
7.	Modular reconstruction of bone cancer	<b>1999-2001</b>	<b>Coordinator</b>
8.	Partial or total reconstruction of the bone in bone agenesis	<b>1999-2001</b>	<b>Coordinator</b>
10.	Manufacturing Technology of tesoresisting load cell measurements and simulations for musculoskeletal forces (Project PHARE) – project code RO-96.02-02-02-L026	<b>TTQM 2000</b>	<b>Specialist Counsellor</b>
11.	Development of modular family of devices based on patentable solutions for osteodistracton or external and internal fixation and in orthopaedics (Program Relansin)	<b>2000-2002</b>	<b>Coordinator</b>
12.	Development of medical technologies for agenesis bone prostheses (Program Viasan) – nr. Contract 209 / 2003	<b>2003-2005</b>	<b>Coordinator</b>
13.	Research and development of new clinical methods and a modular equipment specialized for traumatic spine recovery by using biocompatible materials (Program Viasan) – contract no. 357 / 2003	<b>2003-2006</b>	<b>Coordinator</b>
14.	Modern non-invasive assessment of the degree of ossification and fracture regeneration (OSTEOSIST) –contract no. 5202 / 2004	<b>2004-2006</b>	<b>Responsible</b>
15.	Hydroxyapatite bioactive nanostructures chemically deposited from solutions similar to blood plasma on titanium implants (Relansin Program)	<b>2005-2006</b>	<b>Responsible</b>
16.	Research for preclinical and clinical development and use of composites of bioactive silico-phosphate glass and cis tropocolagen as bone graft substitute (VIASAN Program)	<b>2005-2006</b>	<b>Coordinator</b>

<b>17.</b>	Development of a inter-centre network for develop and monitoring of usage of medical minimal invasive surgery techniques the use of medical techniques in orthopedics and traumatology (ORTOCENTRU) -Contract No 12/2005	<b>2005-2007</b>	<b>Responsible</b>
<b>18.</b>	Promotion of Romanian research in European programs in the use of external lockers in elongation and bone reconstruction, hemicondrodiastasis, pseudarthrosis and osteogenesis imperfecta (osteo-distract)Contract No 144 / 2006	<b>2006-2007</b>	<b>DIRECTOR</b>
<b>19.</b>	Therapeutic trials and innovative interventions by diaphyso-epiphyseal trans- osseous osteosynthesis and artrodiastasis for limbs elongation by internal and external automatic controlled distracters (AUTO-OSTEODISTRACTOR) - Contract No. 104 / 2006	<b>2006-2008</b>	<b>Responsible</b>
<b>20.</b>	Intelligent equipment for recovery and complex monitoring for medical assistance and outpatient therapy (IMPACT program proposed - Structural Funds)	<b>Proposal</b>	<b>Responsible for theme</b>
<b>21</b>	Orthetic Polimodular Mechatronic System in Orto-SOP Inferior Limbs Immobility Recovery	<b>In course until 2010</b>	<b>DIRECTOR</b>

## **b) Inventions and Innovations**

### **Inventions:**

1. In the research paper on "Research on the development of devices and methods of osteogenesis by distraction" a new therapeutic method of osteogenesis, using centromedular distraction rod was established. This invention was the research object of contract no. 1 / 212 / 1993, signed with the Academy of Medical Sciences and Research Institute of Precision Mechanics Bucharest. Patent no. 117 065 granted by OSIM by decision no. 4 / 343 of 30 October 2001.

2. INSTRUMENT FOR somatic approach of CIFOSCOLIOsis under laparoscopic CONTROL in children. This invention has been endorsed by six experts, specialists in the field, and by the chairman of the committee, representative of the Academy of Medical Sciences (see annex advisory committees to research and development results for the year 1997). The invention is patent pending.

### **Innovations :**

In "S. M Curie" Bucharest Hospital EXTERNAL CIRCULAR ICMFB TYPE loker was used as a result of innovations, following contract no. 521/1996. With this locker, there were performed 52 complex interventions in our clinic for elongation

of limbs, where there were only 2 complications (see the approval of 3 June 1996).

## **E. FAVOURITE AREA OF ACTIVITY**

- Correction of congenital osteoarticular malformations of hip, limbs and spinal;
- Surgery of the spine (cifosis, scoliosis, tumors rachides);
- Elongation of limbs using external lockers;
- Surgical treatment in osteogenesis imperfecta;
- Dysplasia in hip growth - surgical treatment of high forms of congenital hip dislocation;



- Congenital deformation of foot
- Cerebral paralysis
- Surgical treatment of malignant benign of bone tumors;
- Orthopedic and surgical treatment of haemophilia arthropathy,
- Surgical treatment of polytraumatisme with multiple bruises and fractures of limbs;
- Replacements in children and adolescents.

## **NATIONAL TECHNICAL Premiere**

- Bride Operation;
- Greater trochanter osteotomy with Compacting Nachito-Ogata-type in children with congenital dislocation of the hip with residual acetabul
- Reconstruction of medial half line by tenosindesmoplasty with anterior tibial in Valga flat foot;
- Leg elongation with 17 cm in one surgical procedure - the intervention was performed in both legs, and with normal consolidation;
- Simultaneous elongation of the calf and thigh and concomitant non-surgical correction by slow and progressive traction of the knee dislocation and deformation of var and equine foot;
- Femoral neck osteoarthritis treatment by external Ilizarov locker
- Ilizarov arthroplasty;
- Autoplastic Reconstruction of the finger region
- Ventral and dorsal approach in high congenital scoliosis T2-T7 and deformity recovery;
- Nuss technique for reconstruction of recessed chest;
- VEPTR Implant device for chest expand in infant congenital and idiopathic Scoliosis

## **Original Techniques**

- Trepanation with lavage by "infusion"- drainage intraosseous suction;
- Osteotomy with Quadruple correction of hip growth dysplasia;
- Radio-ulnar proximal Ligamentoplastia - in children with congenital or traumatic dislocation of radial head, the paper awarded by the Academic Society for Surgery of Poland;
- Reconstruction of hip arthroplasty with dual or triple osteotomy of the pelvis in unique approach;
- Elongation within pseudarthrosis site associated with an outbreak bordering elongation (elongation outbreak outbreak of the stretch bordering nonunion) - 2 cases of nonunion elongated focus and an elongated case with double focus.
- VEPTR Implant vertebra - vertebrae in congenital Scoliosis

## **SPECIAL MENTIONS**

### **→ 4 World Premiere surgery:**

1. 2 cases of elongation of the tibia (5 cm and 8 cm) within the pseudarthrosis focus, elongation of the tibia in two focal points in a patient aged 18 years with Lobstein disease, followed by centromedullary telescopic rod fixation
2. Pandiaphyseal bone transplant in osteogenesis imperfecta
3. Double spine osteotomy in severe stiff scoliosis
4. VEPTR vertebra – vertebrae Implant

### **→ 20 national premiere surgeries**

→ 54 premiere surgical interventions at the Hospital "Maria Sklodowska Curie" Bucharest

### **→ More than 12,000 surgeries**

- More than 400 spinal surgical interventions (infantile, juvenile and adolescent idiopathic scoliosis), congenital scoliosis, scoliosis secondary to other diseases, I placed more than 20 VEPTR devices. Approaches: posterior, anterior and double approaches.

## **Quotations in publications and books**

- Quoted by Prof. Dr. Nicolae Gorun "Genetic diseases of the limbs treatise, "Old Court" Publishing, Bucharest, 1998, p.

141 - on the paper "The Ilizarov technique in trauma and orthopedics," Journal of Traumatology and Orthopedics (Bucharest 1997), vol 7, no. 4, p. 223-230.

- Quote by Dr. Mihai Jianu in Pediatric Orthopedic Vademecum, "Tridona" Publishing, Bucharest, 2003, p. 295 - on the paper "The Ilizarov technique in trauma and orthopedics," Journal of Traumatology and Orthopedics (Bucharest) 1997, vol 7, no. 4, p. 223-230.

- Quoted 14 times by the authors of Idiopathic Scoliosis - diagnosis and therapeutic orientation ", Costel Vlad, Ileana Georgescu, st. Gavrilu, Hodorozea Dan Daniela Dan, Lucia Hurmuz in Medic.ro journal, year IV, no. 33, April 2007, p. 97.

- Article 28. Burnei, G, Neagoe, P, Margineanu, BA, Dan, DD, Joy, PO, Treatment of severe iatrogenic quadriceps retraction in children. Journal of orthopedics PEDIATRICS-PART B, 13 (4), p. 254-258, 2004.

Marie Curie Hosp Emergency Lyrics, Lyrics & Orthopedic Dept Surg, Bucharest, Romania.

Univ Med Carol Davila, Bucharest, Romania. This work was cited in seven international articles that appear on PubMed.

## **I. SCIENTIFIC SOCIETIES MEMBERSHIP**

1. Member of the Society of Pediatric Surgery (SRCP)

2. Member and president of R

3. Member of the Society in January 2007 AOSpine

4. Founding President ROMANIAN ASSOCIATION OF Traumatology and ORTOPEDISTS in Pediatrics (ARTOP) 2008

5. European Pediatric Orthopedic Society EPOS member since 2009, Member of the Editorial Board of JCO (Journal of Childrens, Orthopedics), official journal of EPOS

6. Member of the European Central Academy of Sciences, Arts and Letters, May 2011

## **ORGANIZATIONAL ACTIVITIES**

- Head of Clinical of Pediatric Surgery and Orthopedics SCUC "M. S. Curie "Bucharest from October 1. 2007

- Chief of Orthopaedic Surgery Department S.C.U.C. "M. S. Curie "Bucharest 2003 - October 1. 2007

- Graduate of training program in Health Economics and Financial Management held at Institute of Health Services Management in 2002

- Head of Sterilization in SCUC "M. S. Curie "Bucharest in 1992

## **. OTHER PROFESSIONAL ACTIVITIES**

- Founding President ROMANIAN ASSOCIATION OF Pediatrics Traumatology and ORTOPEDICS (ARTOP) 2008

- Organizer of the first National Conference of ARTOP, 20 to 22 November 2008

- Organizer of the second National Conference ARTOP, 8 to 10 October 2009

- Organizer of the Third National Conference ARTOP, September 29 .- October 1. 2010

- Organizer of the Fourth National Conference ARTOP, October 6-8. 2010

- Vice President of the Society of Pediatric Surgery and Orthopedics between 2002-2006

- Member of the organizing committee at The 7th National Congress of Pediatric Surgery and Orthopedics (Iasi, May 29- June 2, 2002)

## **Member of Scientific Committee at numerous scientific meetings:**

• Prof. Dr. Vasile Fufezan Homage Symposium, National Conference of consensus SRCOP (Timisoara 9 11 octombrie 2003)

• Prof. Dr. Alexander Pesamosca Homage Symposium 75 years, 50 years of medical activity (Bucharest, March 12, 2005)

• European Conference Orthopedic Surgery Pediatric - Neurosurgery (Craiova 9 to 11 June 2005)

- The 16th National Congress SRCOP, The 3rd National Congress SOROP National Congress with International Participation (Mamaia, Constanta 7 to 9 September 2006)
- International Congress of Pediatric Surgery and Orthopedics - Multidisciplinary approach of congenital malformations (19 to 21 October 2006 Sinaia)
- Deputy Chief Editor at "Discobolul" Magazine - ANEFS journal of culture, education, sport and physiotherapy
- Member of international editorial collective of The Journal of Children's orthopedics - the official journal of the European Pediatric Orthopedics Society (EPOS)
- Nobel Prize-NAUKOWA NAGRODE offered by Academic Society for Surgery of the Child, Szczecin, Poland, by Academician Dr. Markiewicz, in 1993
- Prize "A man, a renowned" granted by Callatis '96 Foundation in December 2008.
- "Medical Life "Award of Excellence Gala Physicians, Romanian Athenaeum, 27 May 2009.
- Mentioned as biographical subject in the world almanac of the remarkable personalities "Who's Who", Ed Marquis, 2009-2010 for remarkable achievements in the field of activity and thus contributed significantly to improving society.
- Scientific Director - Publishing Codex Aureus, September. 2010
- Member of Scientific Committee of the Journal of Journal of Clinical Medicine Maeda
- Award for "Vision in medicine," Young Doctors Gala, Theatre Nottara, Buc., November 10, 2010

#### Annex with scientific representative published or communicated papers

#### Phd Thesis

In medicine - pediatric surgery and orthopedics - Use external lockers in pediatric orthopedics in the period 1996-2002.

#### Articles / studies published in professional journals

##### - In country:

1. "Changes of the soft tissues in elongation of limbs - G. Burnei - the work was published in the Journal of Orthopedics and Traumatology (Bucharest), no. 4 / 1997;
2. "The value of Ilizarov technique in the elongation of limbs - G. Burnei - the work was published in the Journal of Orthopedics and Traumatology (Bucharest), no. 4 / 1997;
3. "Bride surgery in stabilizing the operation of varus-equine foot in cerebral paralysis and mielodisplasies of the child" - G. Burnei, st. Puiu, C. Ciobanu, P. Neagoe, M. Galinescu - Journal of Orthopedics and Traumatology (Bucharest), 2000, vol 10, no. 1-2, p. 87-90;
4. "Hip dysplasia in Charcot-Marie-Tooth disease" - G. Burnei, st. Puiu, C. Ciobanu, P. Neagoe, R. Petrisor, M. Galinescu - special volume Ninth National Congress of Orthopedics and Traumatology, Craiova, 9-12 October 2001, p. 11-18;
5. "Difficulties of diagnosis and treatment in children with abdominal localization of tuberculosis " - Al. Pesamosca, G. Burnei, M. Radulescu, st. Puiu, Constanta Pick, P. Neagoe - Current Pediatric surgery and orthopedics - Journal of Surgery and Orthopedics Pediatric Society in Romania, vol 2, no. 2, 2001;
6. "Guidelines and practical attitudes in treatment of osteoarticular tuberculosis in children" - Al. Pesamosca, G. Burnei, M. Radulescu, st. Puiu, Constanta Pick, P. Neagoe, M. Galinescu - Current Pediatric surgery and orthopedics - Journal of Surgery and Orthopedics Pediatric Society in Romania, vol 2, no. 2, 2001;
7. "Remodeling of the acetabulum in congenital dislocation of the hip after orthopedic reduction" - G. Burnei, P. Neagoe, Octav P. Bucur Cristian Burnei - Journal of Orthopedics and Traumatology (Bucharest), 2002, vol 12, no. 1, p. 25-31;

8. "Personal contributions in limbs elongation" - G. Burnei - Journal of Orthopedics and Traumatology (Bucharest), 2002, vol 12, no. 2-3, p. 127-133;
9. "Prevention of hip sub-luxation and luxation of hip in cerebral motor infirmities (CMI) in children" - G. Burnei, C. Ciobanu, P. Neagoe, M. Galinescu, OP Bucur - Journal of Orthopedics and Traumatology, vol 12, no. April, 2002, p. 215-218;
10. "Carroll Surgical Procedure - an alternative surgical treatment for varus equine congenital club foot in children" - G. Burnei, C. Ciobanu, P. Neagoe - Journal of Orthopaedic and Traumatology, vol 12, no. April, 2002, p. 233-234;
11. Poland Syndrome - literature and presentation of case study " - G. Burnei, C. Ciobanu, P. Neagoe - Journal of Orthopedics and Traumatology, vol 13, no. 1-2, 2003, p. 111-114;
12. "Surgical treatment of fractures of the femur diaphyses in children. Economic efficiency and cost-benefit relationship / cost-utility " - G. Burnei, P. Neagoe, C. Vlad, Daniela Dan, Mihaela Dobre, C. Burnei - Journal of Orthopaedic and Traumatology, vol 13, no. 3-4, 2003, p. 185-200;
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3. „Carroll operation – alternative in the treatment of the varus equin club foot” – Pesamosca Al., Burnei Gh., Ciobanu C., Neagoe P. („M.S. Curie” Children’s Hospital, Bucharest, Romania) – *World Congress of Pediatric Surgery, Zagreb, Croatia, 22-27 iunie 2004;*
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5. *Eurospine 2006 Congress on October 25-28, 2006, 8th Annual Meeting of the Spine Society of Europe, Istanbul, Turkey (18 ore CME);*
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8. Nuss thoracoplasty—short term results - Gheorghe Burnei, Costel Vlad, Ileana Georgescu, Stefan Gavrilu, Dan Ionut Hodorocea. *EPOS, 29th Annual Meeting, April 7-10, 2010, Zagreb, Croatia.*

**Posters**

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9. „Osteogenesis Imperfecta (OI): Reconstructive and Corrective Bone Surgery for Lower Limb” – *Volume 3, Supplement 1, March 2009, p. S50, EPOS Meeting, 1-4 April 2009, Lisbon, Portugal*.
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