

**Current positions:**

Associate Professor in Endocrinology, “Carol Davila” University of Medicine and Pharmacy, Bucharest

Senior Physician in Endocrinology at Elias Hospital, Bucharest

Board member of the Romanian Society of Endocrinology (RSE)

Co-chair of the RSE’s Working Group for Osteoporosis

Full faculty of the Osteoporosis Essentials Course

Member in the Ministry of Health’s Endocrinology Board

Career path and relevant experience: *PhD title earned* at the “Carol Davila” University of Medicine and Pharmacy, Bucharest. Title of thesis: “Bone mineral density and biochemical bone turnovers in glucocorticoid osteoporosis” Ph. D title confirmed in 2004. I had training in dual X ray absorptiometry (DXA) for bone density evaluation (ISCD certification in 2005), bone related molecular biology and genetic studies (European Federation of Endocrine Society, Como, Italy 2000 and University of Aberdeen, UK, 2002), clinical research, project management, ultrasound evaluation in endocrinology, pediatric endocrinology and other endocrinology related specific fields. Since 2006 I am International Society for Clinical Densitometry full faculty member, as lecturer for international courses in bone densitometry, since 2013 I am faculty for the IOF-ISCD Osteoporosis Essentials courses. In 2010 I became member of an international workgroup for communication in healthcare (tEACH), in 2012 was a member of the ISCD working group for body composition consensus development. I was project manager for three national funded research grants and member in the research team in 8 national research projects.

Selection of publications:

Books:

1. *“Adrenal gland”* – Coordinator - Cătălina Poiană – Ars DOCENDI Publishing House – Bucharest University, 2013, ISBN 978-973-558-687-4;
 - a. Chapter 14. Glucocorticoid osteoporosis – Carmen Barbu,
 - b. Chapter 17. Cronobiology of the adrenal gland – Carmen Barbu, Cătălina Poiană
2. *‘Practical aspects in management of the endocrine diseases’*, coordinator Simona Fica, 2006, Medical Publishing House, ISBN (10)973-39-0600-X și (13)978-973-39-0600-1
Contributors: Carmen Barbu, Albu Alice, Roman Alina, Sirbu Anca, Martin Sorina
3. *‘Imunoendocrinology aspects in collagen diseases and osteoporosis’*, Dan Peretianu, Daniel Grigorie, Gelu Onose, Romanian Academy Publishing House, 2002, ISBN 9732708824
 - a. Chapter 15 ‘Metabolic bone diseases – Osteoporosis: hormonal and immune implications- Daniel Grigorie, Carmen Barbu

Selected publications

1. Bone quality is affected in acromegaly beyond insulin resistance. Christina, Codreanu Patricia; Elena, Alexandru; Theodor, Oprea; Irina, Nistor; Andrada, Predescu; Raluca, Pascu; Ana, Maria Balea; Mirela, Iancu; Niculina, Giurgiuman; Aura, Diana Reghina; Bioscientifica 2020
2. LOW VITAMIN D LEVELS IN PATIENTS WITH HIV INFECTION. Capatina, C; Cercel, A Streinu; Manolache, D; Sandulescu, O; Barbu, CG; Poiana, C; Osteoporosis International 2019
3. Adiponectin expression in visceral adiposity is an important determinant of insulin resistance in morbid obesity. Sirbu, Anca Elena; Buburuzan, Laura; Kevorkian, Steliana; Martin, Sorina; Barbu, Carmen; Copaescu, Catalin; Smeu, Bogdan; Fica, Simona; Endokrynologia Polska 2018
4. IMPACT OF TYPE 2 DIABETES ON TBS EVALUATED BONE QUALITY IN OBESE WOMEN Sirbu, A; Buturoiu, M; Popa, M; Soare, I; Martin, S; Barbu, C; Fica, S; Osteoporosis International 2019
5. Overweight and Underweight Prevalence Trends in Children from Romania - Pooled Analysis of Cross-Sectional Studies between 2006 and 2015. Chirita-Emandi A, **Barbu CG**, Cinteza EE, Chesaru BI, Gafencu M, Mocanu V, Pascanu IM, Tatar SA, Balgradean M, Dobre M, Fica SV, Ichim GE, Pop R, Puiu M. *Obes Facts*. 2016;9(3):206-20. doi: 10.1159/000444173. Epub 2016 Jun 18.
6. Rapid response to teriparatide in a postpartum osteoporosis case associated with nardroparine treatment during pregnancy. Dan Alexandru Niculescu, Diana Pintoiu, Roxana Dusceac, Carmen Gabriela Barbu, and Catalina Poiana (2016) *AACE Clinical Case Reports In-Press*. doi:<http://dx.doi.org/10.4158/EP151178.CR>
7. Stunted Growth. Proceedings of the 23rd Aschauer Soiree, Held at Aschauhof, Germany, November 7th 2015. Hermanussen M, Ipsen J, Mumm R, Assmann C, Quitmann J, Gomula A, Lehmann A, Jasch I, Tassenaar V, Bogin B, Satake T, Scheffler C, Núñez J, Godina E, Hardeland R, Boldsen J, El-Shabrawi M, Elhousseini M, **Barbu CG**, Pop R, Söderhäll J, Merker A, Swanson J, Groth D. *Pediatr Endocrinol Rev*. 2016 Jun;13(4):756-67.
8. Obesity and eating behaviors in school children and adolescents—data from a cross sectional study from Bucharest, Romania CG Barbu, MD Teleman, AI Albu, AE Sirbu, SC Martin, A Bancescu, SFica, *BMC public health* 15 (1), 2016
9. Risk factors associated with hypogonadism in beta-thalassemia major patients: predictors for a frequent complication of a rare disease. Alice Albu, Carmen Gabriela Barbu, Lavinia Antonie, Florentina Vladareanu, Simona Fica. DOI 10.3810/pgm.2014.09.2806

Postgraduate Medicine, ISSN – 0032-5481, e-ISSN – 1941-9260.
<https://postgradmed.org/>

10. Biochemical markers of calcium and bone metabolism in the monitoring of osteoporosis treatment. Noora Wael Rasheed, Carmen Gabriela Barbu, Suzana Florea, Gabriela Branceanu, Simona Fica, Niculina Mitrea, Andreea Letitia Arsene. *Farmacia*, nr 4/2014; ISSN (print): 0014-8237, ISSN (online): 2065-0019, ;, www.revistafarmacia.ro;
11. DXA applications beyond bone densitometry – something old, something new, something borrowed. CG Barbu. *ACTA ENDOCRINOLOGICA* nr 3/2014; doi: 10.4183/aeb.2014.X. ISSN: 1841 – 0987) www.acta-endo.ro/
12. The dynamics of adiponectin and leptin on metabolic syndrome patients and age matched healthy subjects”-Mohamad Abdul Wahabe Mohamad, Niculina Mitrea, Alina-Crenguta Nicolae, Maria-Zinaida Constantinescu, Cristina Manuela Dragoi, Andreea-Letitia Arsene, Carmen Gabriela Barbu *Farmacia*, nr 3/2014; ISSN (print): 0014-8237, ISSN (online): 2065-0019, IF:0,578; www.revistafarmacia.ro;
13. Biochemical hyperandrogenism is associated with metabolic syndrome independently of adiposity and insulin resistance in Romanian polycystic ovary syndrome patients. A Albu, S Radian, S Fica, CG Barbu. *Endocrine*. 2014 Jul 15. [Epub ahead of print] PMID:25022659. ISSN (print):1355-008X ISSN (online): 1559-0100. IF:3.5; <http://link.springer.com/journal/12020>
14. The clinical value of human leukocyte antigen HLA-DRB1 subtypes associated to Graves' disease in Romanian population. Martin S, Dutescu MI, Sirbu A, Barbu C, Albu A, Florea S, Fica S: *Immunological investigations* 2014(0):1-12. ISSN: 0882-0139. IF 1.9. <http://informahealthcare.com/loi/imm>
15. Evaluating spine micro-architectural texture (via TBS) discriminates major osteoporotic fractures from controls both as well as and independent of site matched BMD: THE EASTERN EUROPEAN TBS STUDY” - J. Vasic, T. Petranova, N. Dzerovych, CG Barbu, M. Karadzic, F. Gojkovic, R. Winzenrieth, D. Hans, J. Elez, V. Culafic Vojinovic, C. Poiana, V. Povoroznyuk, R. Rashkov, A. Dimic – *JBMM*, ISSN (print): 0914 – 8779, 2013 ISSN (online): 1435 – 5604,; <http://www.springer.com/medicine/internal/journal/774>
16. The official positions of the international society for clinical densitometry: body composition analysis reporting Petak S, Barbu CG, Yu EW, Fielding R, Mulligan K, Sabowitz B, Wu C-H, Shepherd JA.: *Journal of Clinical Densitometry* 2013, 16(4):508-519. ISSN: 1094-6950., www.clinicaldensitometry.com
17. A European consensus on learning objectives for a core communication curriculum in health care professions Bachmann C, Abramovitch H, Barbu CG, Cavaco AM, Elorza RD, Haak R, Loureiro E, Ratajska A, Silverman J, Winterburn S.: *Patient education and counseling* 2013, 93(1):18-26. ISSN: 0738-3991,.. <http://www.journals.elsevier.com/patient-education-and-counseling/>

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