

## Curriculum Vitae

### Andreea Calin, MD

- Born (Teodorescu) in 1977, Bucharest, Romania

#### Education

- Graduated in Medicine from the University of Medicine and Pharmacy “Carol Davila” Bucharest, Romania (2001).
- Resident in cardiology by national contest (since November 2001)
- Training in internal medicine as a resident in cardiology at the Medical Clinic in the Emergency Hospital in Bucharest, Romania (2002 -2003)
- Training in cardiology including one year of lectures and seminars with graduation examination as a resident in cardiology at the Institute of Cardiovascular Diseases, Bucharest, Romania (2003-2005)
- Training in echocardiography 6 months and clinical research 6 months at the Institute of Cardiovascular Diseases
- **PhD student** (from october 2006): PhD Coordinator Prof. Dr. Carmen Ginghină, PhD Project: **“Assessment of LV systolic and diastolic function by evaluation of left ventricular twisting/untwisting in patients with aortic stenosis”**
- PhD Courses: Biostatistics, Bioethics, Research methodology, Research legislation
- EAE Educational Course Organised with the Romanian Working Group on Echocardiography: Doppler Echocardiography: from Basics to Advanced Applications Bucharest, Romania (2007)
- Winner of a travel grant for the European Congress of Echocardiography, EuroECHO Lisbon, december 2007, with an original abstract **“Changes in left ventricular rotation and torsion in patients with aortic stenosis. A speckle tracking echocardiography study”** - oral presentation.
- Specialist in cardiology by national contest – since october 2007
- Winner of a travel grant for the European Congress of Echocardiography, EuroECHO Lyon, december 2008, first author of an original abstract **“The relationship between left ventricular untwisting and parameters of diastolic function and filling pressures in patients with aortic stenosis”** - oral presentation.
- Specialist in cardiology at the University of Medicine and Pharmacy Carol Davila – Bucharest - since february 2009

#### Scientific affiliations

- Romanian Society of Cardiology (2005)
- Romanian Working Group of echocardiography (2006)
- European Society of Cardiology (2006)
- European Association of Echocardiography (2007)

#### Professional experience

- Internal medicine (18 months) and clinical cardiology (2 years training at the Institute of Cardiovascular Diseases, Bucharest, Romania)
- Pediatric cardiology (3 months training at the Institute of Cardiovascular Diseases, Bucharest, Romania)
- Research in cardiology (6 months)

- Experience in non-invasive cardiology testing: ECG, stress ECG testing, 24-hour ECG and BP Holter monitoring, echocardiography (6 months training at the Institute of Cardiovascular Diseases, Bucharest, Romania)

### **Language ability**

- English
- French

### **Interest fields**

- Noninvasive assessment of cardiac performance in heart failure, cardiomyopathies
- Echocardiographic assessment of valvular heart disease
- New echocardiographic techniques for the assessment of left ventricular function

## **LIST OF PUBLICATIONS**

### **BOOK CHAPTERS**

**Ginghina C, Popescu BA, Jurcuț R. Esențialul în ecocardiografie. Editura Medicală Antaeus, București, 2005**

Ginghina C, Popescu BA, Jurcut R. *Esențialul în Ecocardiografie*. București, Ed Antaeus, 2005 (co-author of „Cardiomyopathies” chapter)

**Apetrei E. Cazuri comentate și ilustrate de cardiologie. Editura Infomedica, 2004**

Teodorescu A., Miu M., Siminiceanu C., Serban M., Popescu B.A., Lupescu I., Uscatescu V., Tanaseanu ST., Ginghina C. “Tromboembolism pulmonar recurent la o pacientă cu boala mixtă de țesut conjunctiv” în “*Cazuri clinice de cardiologie comentate și ilustrate*” sub redacția E.Apetrei. Editura Infomedica, 2004:79-88.

Siminiceanu C., Teodorescu A., Popescu B.A., Calin C., Dragomir D., Georgescu S., Platon P., Ginghina C. “Anevrism sacular de aortă toracică descendentă- diagnostic tardiv” în “*Cazuri clinice comentate și ilustrate de cardiologie*” sub redacția E.Apetrei. Editura Infomedica, 2004:89-98.

Calin C., Ciudin R., Siminiceanu C., Teodorescu A., Capraru C., Bostan I., Postu M., Ginghina C. “Implant de defibrilator automat la un pacient tânăr fără boală cardiacă structurală” în “*Cazuri comentate și ilustrate de cardiologie clinică*” sub redacția E.Apetrei. Editura Infomedica, 2004: 101-111.

**Ginghina C. Imagistica la bolnavi cardiaci. Din pagina cartii la ecranul computerului. Vol I. Editura Medicala, 2007.**

Teodorescu A., Serban M, Ghiorghiu I, Lupescu I, Ginghina C. Sindrom Eisenmenger – surprize de diagnostic si dileme terapeutice. In Ginghina C. Imagistica la bolnavi cardiaci. Din pagina cartii la ecranul computerului. Vol I. Editura Medicala, 2007, 18-19.

**Ginghina C. Imagistica la bolnavi cardiaci. Din pagina cartii la ecranul computerului. Vol II. Editura Medicala, 2008.**

Chreih R. Popescu BA, Beladan CC, Calin A., Rosca M, Folescu C, Ginghina C. Odiseea

unui diagnostic: de la suspiciunea de mixom atrial drept la hipertensiune pulmonara secundara unei afectiuni respiratorii. In Ginghina C. Imagistica la bolnavi cardiaci. Din pagina cartii la ecranul computerului. Vol II. Editura Medicala, 2008, 68-69.

### **ORIGINAL ARTICLES PUBLISHED FULL-TEXT IN NATIONAL JOURNALS**

Ginghina C, Teodorescu A, Stoian I, Serban M, Ghiorghiu I, Wohlfart K. "Noutăți în tratamentul farmacologic al cardiomiopatiei dilatative". *The Romanian Journal of Internal Medicine*; Vol.42, Nr.1, 2004:3-13

Ciovisa D, Teodorescu A, Calin C, Popescu BA, Lupescu I, Stanescu D, Andrei M, Ginghina C. "O cauză rară de hipertensiune arterială : hiperaldosteronismul primar". *Revista Română de Cardiologie, Supl.A*, vol 20, 2005:A95

Teodorescu A, Siminiceanu C, Calin C, Popescu BA, Stoian I, Apetrei E, Ginghina C. Defectul septal interatrial multiplu - frecventa si particularitati morfologice. *Ars Medica Tomitana*, vol. XI - nr. 3 (42) 2005:43-46

### **PUBLISHED ABSTRACTS (PRESENTED AT INTERNATIONAL MEETINGS)**

Teodorescu A, Popescu BA, Beladan CC, Muraru D, Deleanu D, Antonini-Canterin F, Nicolosi GL, Ginghina C. The relationship between left ventricular untwisting and parameters of diastolic function and filling pressures in patients with aortic stenosis. *Eur J Echocardiography* 2008; 9, Suppl 1:S1 (abstr).

Popescu BA, Beladan CC, Teodorescu A, Muraru D, Hirșu M, Ginghina C. Left ventricular apex rotation and inflow dynamics: a speckle tracking echocardiography study in normal subjects. *Eur J Echocardiography* 2008; 9, Suppl 1:S81 (abstr).

Muraru D, Popescu BA, Teodorescu A, Beladan CC, Savu O, Ginghina C. Differences in timing of peak apical and basal rotation: a possible mechanism for early alterations in left ventricular mechanics. *Eur J Echocardiography* 2008; 9, Suppl 1:S116 (abstr).

Craciunescu IS, Serban M, Popescu BA, Beladan CC, Teodorescu A, Muraru D, Iancu M, Ginghina C. Interobserver variability of strain and strain rate: poor agreement of echographic measures in apical ischemic myocardial segments. *Eur J Echocardiography* 2008; 9, Suppl 1:S23 (abstr).

Popescu BA, Muraru D, Beladan CC, Teodorescu A, Hirșu M, Savu O, Ginghina C. Relationship of left atrial strain with left ventricular torsion and untwisting. A speckle tracking echocardiography study in normal subjects. *Eur J Echocardiography* 2008; 9, Suppl 1:S57 (abstr).

Popescu BA, Beladan CC, Teodorescu A, Muraru D, Deleanu D, Antonini-Canterin F, Nicolosi GL, Ginghina C. Left ventricular rotation and torsion in patients with dilated cardiomyopathy: could left ventricular remodeling explain changes in torsional dynamics? *Eur J Echocardiography* 2008; 9, Suppl 1:S94 (abstr).

Beladan CC, Popescu BA, Teodorescu A, Muraru D, Deleanu D, Antonini-Canterin F, Nicolosi GL, Ginghina C. Heterogeneity of left ventricular rotational dynamics in patients with non-ischemic dilated cardiomyopathy. *Eur J Echocardiography* 2008; 9, Suppl 1:S94 (abstr).

Popescu BA, Muraru D, Teodorescu A, Beladan CC, Hirsu M, Ginghina C. Left ventricular torsion: an important mechanism for maintaining normal filling pressures. A speckle tracking echocardiography study in normal subjects. *J Am Coll Cardiol* 2008; 51, 10, Suppl A, A80 (abstr).

Popescu BA, Muraru D, Teodorescu A, Beladan CC, Hirșu M, Ginghina C. Left ventricular torsion: an important mechanism for maintaining normal filling pressures. A speckle tracking echocardiography study in normal subjects. *Eur J Echocardiography* 2007; 8, Suppl 1:S39 (abstr). ISSN 1525-2167.

Popescu BA, Teodorescu A, Beladan CC, Muraru D, Popescu AC, Antonini-Canterin F, Nicolosi GL, Ginghina C. Changes in left ventricular rotation and torsion in patients with aortic stenosis. A speckle tracking echocardiography study. *Eur J Echocardiography* 2007; 8, Suppl 1:S2 (abstr).

Beladan CC, Popescu BA, Teodorescu A, Muraru D, Popescu AC, Antonini-Canterin F, Nicolosi GL, Ginghină C. Left ventricular torsion: a compensatory mechanism for maintaining a normal left ventricular ejection fraction in patients with moderate-severe aortic stenosis. *Eur J Echocardiography* 2007; 8, Suppl 1:S8 (abstr).

Ginghină C, Teodorescu A, Siminiceanu C, Popescu BA, Rugină M, Stoian I, Călin C, Apetrei E. Multiple interatrial septal defects: assessment of morphology and pathological associations. *Eur Heart J* 2006;27:797 (abstr).

Ginghina C., Siminiceanu C., Teodorescu A., Popescu B.A., Platon P., Calin C., Iliescu V., Apetrei E. "Rolul ecocardiografiei în evaluarea pacienților cu anevrism sacular de aortă toracică" The IXth World Congress of Echocardiography and Vascular Ultrasonography, 15-17 of September 2005, Maroc.

Ginghină C, Popescu BA, Stoian I, Șerban M, Ghiorghiu I, Paun A, Rotaru L, Siminiceanu C, Teodorescu A, Apetrei E. The spectrum of echocardiographic findings in Marfan syndrome. *Eur J Echocardiography* 2004;5:S52.

Ginghină C, Teodorescu A, Siminiceanu C, Popescu BA, Călin C, Stoian I, Babiceanu C, Apetrei E. Multiple interatrial septal defects – Frequency of appearance and morphological features. *Eur J Echocardiography* 2004;5:S63.

Popescu BA, Muraru D, Beladan CC, Teodorescu A, Savu O, Hirsu M, Ginghina C. Relationship of Age-Related Changes in Left Atrial Strain With Left Ventricular Untwisting: A Speckle-Tracking Echocardiography Study in Normal Subjects. *J Am Coll Cardiol* 2009 (abstr) (in press).

#### **PUBLISHED ABSTRACTS (PRESENTED AT NATIONAL MEETINGS)**

Teodorescu A, Popescu BA, Beladan CC, Muraru D, Deleanu D, Antonini-Canterin F, Nicolosi GL, Ginghina C. The relationship between left ventricular untwisting and parameters of diastolic function and filling pressures in patients with aortic stenosis. *Rev Rom Cardiol*, Supl.A, vol XXIII, 2008:A126.

Popescu BA, Muraru D, Beladan CC, Teodorescu A, Hirsu M, Savu O, Ginghina C. Relationship of left atrial strain with left ventricular torsion and untwisting. A speckle

tracking echocardiography study in normal subjects. *Rev Rom Cardiol*, Supl.A, vol XXIII, 2008:A110.

Popescu BA, Beladan CC, Teodorescu A, Muraru D, Deleanu D, Antonini-Canterin F, Nicolosi GL, Ginghina C. Left ventricular rotation and torsion in patients with dilated cardiomyopathy: could left ventricular remodeling explain changes in torsional dynamics? *Rev Rom Cardiol*, Supl.A, vol XXIII, 2008:A189.

Popescu BA, Muraru D, Beladan CC, Teodorescu A, Hirsu M, Savu O, Ginghina C. Relationship of left atrial strain with left ventricular torsion and untwisting. A speckle tracking echocardiography study in normal subjects. *Rev Rom Cardiol*, Supl.A, vol XXIII, 2008:A110.

Calin C, Teodorescu A, Beladan CC, Savu O, Deleanu D, Ginghina C. Percutaneous coronary angioplasty in patients with apical left ventricular aneurysm. *Rev Rom Cardiol*, Supl.A, vol XXIII, 2008:A134.

Popescu BA, Teodorescu A, Beladan CC, Muraru D, Popescu AC, Antonini-Canterin F, Nicolosi GL, Ginghină C. Modificări ale rotației și torsiunii ventriculului stâng la pacienții cu stenoză aortică. Studiu ecocardiografic prin speckle tracking. *Rev Rom Cardiol*, Supl.A, vol XXII, 2007:A282.

Călin C, Teodorescu A, Beladan C, Șerban M, Popescu BA, Deleanu D, Ginghină C. Determinanți clinici și angiografici ai dezvoltării anevrismului de ventricul stâng la pacienții cu infarct miocardic anterior. *Rev Rom Cardiol*, Supl.A, vol XXII, 2007:A168.

Beladan CC, Popescu BA, Teodorescu A, Muraru D, Popescu AC, Antonini-Canterin F, Nicolosi GL, Ginghină. Torsiunea ventriculului stâng – un mecanism compensator pentru menținerea unei fracții de ejeție ventriculare stângi normale la pacienții cu stenoză aortică medie strânsă. *Rev Rom Cardiol*, Supl.A, vol XXII, 2007:A92.

Popescu BA, Muraru D, Teodorescu A, Beladan CC, Hirșu M, Ginghină C. Torsiunea ventriculului stâng: mecanism important de menținere a unor presiuni de umplere normale. Studiu ecocardiografic prin speckle tracking la subiecți normali. *Rev Rom Cardiol*, Supl.A, vol XXII, 2007:A279.

## **SCIENTIFIC WORKS PRESENTED NATIONALLY**

Teodorescu A, Siminiceanu C., Stoian I., Popescu B.A., Babiceanu C., Apetrei E., Ginghina C. "Multiple interatrial septal defects – incidence and structural findings", The XIX-th National Symposium of Echocardiography, 28-29<sup>th</sup> of May, 2004, Bucharest.

Siminiceanu C., Teodorescu A, Serban M., Popescu B.A., Platon P., Iliescu V., Ginghina C.. "The role of echocardiography in the management of patients presenting with a thoracic aortic aneurysm". The XIX-th National Symposium of Echocardiography, 28-29<sup>th</sup> of May, 2004, Bucharest.

Siminiceanu C., Teodorescu A, Calin C., Popescu B.A., Pavel P., Iliescu V., Ginghina C. "The saccular thoracic aortic aneurysm – a complex diagnosis for a cardiovascular emergency" The first National Conference of Emergency Cardiology, Sinaia, 19-21 of November, 2004.

## **PRIZES FOR SCIENTIFIC WORKS**

**First Prize of the Romanian Society of Cardiology for best original abstract – oral presentation (RSC Annual Congress, Sinaia, 15-18th of September, 2007)**

Beladan CC, Popescu BA, Teodorescu A, Muraru D, Popescu AC, Antonini-Canterin F, Nicolosi GL, Ginghină. Torsiunea ventriculului stâng - un mecanism compensator pentru menținerea unei fracții de ejeecție ventriculare stângi normale la pacienții cu stenoză aortică medie strânsă. *Rev Rom Cardiol*, Supl.A, vol XXII, 2007:A92

**Third prize of the Romanian Society of Cardiology – poster Section, The National Symposium of Echocardiography, Bucharest, May, 2004.**

Teodorescu A, Siminiceanu C., Stoian I., Popescu B.A., Babiceanu C., Apetrei E., Ginghina C. "Defectul septal interatrial multiplu – Frecvență și particularități morfologice".

Siminiceanu C., Teodorescu A, Serban M., Popescu B.A., Platon P., Iliescu V., Ginghina C.. "Ecocardiografia în strategia de evaluare a pacienților cu anevrism de aortă toracică". Al XIX-lea Simpozion Național de Ecocardiografie, 28-29 Mai 2004, Bucuresti.

## **STUDIES**

### **Team member in :**

- **PN-2 Grant, "IDEI" program, june 2007 competition**

Title: "Heart failure: the role of alterations in left ventricular twisting and untwisting in increasing of filling pressures assessment by speckle tracking echocardiography, catheterization, and biomarkers". (CNCSIS code: 222) (contract nr. 199/01.10.2007).

Project director: Dr. B. A. Popescu

Details at : [http://www.cnscis.ro/PN2\\_idei\\_prop.php](http://www.cnscis.ro/PN2_idei_prop.php)

- **PN-2 Grant, "CAPACITĂȚI" program, june 2007 competition**

Title: "Programme for the development of an echocardiography laboratory meeting the standards for european accreditation" (Acronim: EUROECOLAB). (online nr. 161) (contract 28/CP/I/11.09.2007). Project director: Prof. Dr. C. Ginghina.

Details at: [http://www.mct.ro/ancs\\_web/index.php](http://www.mct.ro/ancs_web/index.php)

- **PN – 2 Grant, "IDEI" program, march 2008 competition**

Title: "Arterial hypertension and subsequent heart failure with normal ejection fraction: assessment of left ventricular function, arterial function and ventricular-arterial coupling at exercise" (CNCSIS code: 447). Project Director: Dr B. A. Popescu

Details at: <http://www.cnscis.ro/PNCDI%20II/Idei/2008/>

- **PN – 2 Grant, "IDEI" program, march 2008 competition**

Title: "Right ventricular function assessment as a prognostic determinant in pulmonary hypertension, at rest and exercise, using strain imaging, vascular reactivity assessment and biomarkers" (CNCSIS code: 246). Project Director: Prof. Dr. C. Ginghina

Details at: <http://www.cnscis.ro/PNCDI%20II/Idei/2008/>