

Brazilian Archives of Cardiology Scientific Publication Award and the National Scientific Production in Cardiology

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Conceived as a way to reciprocate the participation of all collaborators of the Brazilian Archives of Cardiology, the ABC Award reaches its seventh edition, honoring five original articles published this year, plus than the most-cited original article in the last two years, as well as paying fair tribute to the most active reviewer for the year 2011.

The winning articles were selected by 30 national experts, chosen from among the main Archives reviewers, taking into consideration the aspects of research originality and relevance, design methodology, impact of results on its area of knowledge and the clarity and appropriateness of conclusions.

In the first four editions, ABC Awards were given to 10 original articles related to each of the major areas of knowledge in cardiovascular sciences. In the last three years, we selected five original contributions, regardless of the studies' areas of investigation. During this period, the award was presented to three original articles in the area of arterial hypertension¹⁻³, three articles on heart failure and cardiomyopathies⁴⁻⁶, three articles related to cardiovascular surgery⁷⁻⁹, two articles in basic and experimental research^{10,11}, and one article in the areas of arrhythmia¹², epidemiology¹³, exercise and rehabilitation¹⁴ and coronary failure¹⁵, respectively.

Regarding the articles that received the ABC Award in 2011, different aspects of cardiology have been addressed. Nastari et al⁶ analyzed the intramyocardial adrenergic activation in chagasic cardiomyopathy in comparison to coronary artery disease, by quantifying norepinephrine in myocardial tissue. The clinical and echocardiographic results in the immediate and long-term postoperative period

of Ebstein's anomaly repair using the cone reconstruction technique were studied by da Silva et al⁷. The two basic and experimental research projects selected, developed by Brito Filho et al¹⁰ and Nascimento et al¹¹, included the evaluation of hemodynamic effects of right ventricular overload promoted by selective obstruction of the pulmonary vasculature in pigs¹⁰ and the role of nitric oxide/L-arginine pathway in the vascular response of obese mice on a high-fat diet¹¹. Finally, the epidemiological study of Fernandes et al¹³ evaluated the prevalence of dyslipidemia in 2,720 adult patients and correlated its occurrence with physical exercise in childhood, adolescence and adulthood.

As in previous years, the five selected original contributions came from dissertations or doctoral theses defended in postgraduate programs of our country, demonstrating the great importance of these programs for the dissemination of scientific research in Brazil.

The ABC Awards of this year also paid homage to the original article with the highest number of citations in international journals over the past two years. The study by Carvalho et al¹⁶, published in 2009, which addresses the validation of the Portuguese version of the "Minnesota Living with Heart Failure" questionnaire to assess quality of life has currently 20 citations in journals with an international impact.

The context presented here demonstrates the great diversity and relevance of national scientific production in cardiovascular sciences, which has the Brazilian Archives of Cardiology as its main dissemination vehicle. Hence, we perceive the consolidation of the ABC Scientific Publication Award as an important event, in terms of encouragement and recognition of Brazilian cardiology science.

Keywords

Bibliometrics, scientific and technical publications, citation databases.

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References

1. Prado SS, Ribeiro ML, Cardoso GP, Bousquet-Santos K, Velarde LG, Nóbrega AC. Análise estrutural e funcional carotídea em familiares de pacientes com diabetes Mellito tipo 2. *Arq Bras Cardiol.* 2009;92(3):186-92, 190-6.
2. Salgado CM, Jardim PC, Teles FB, Nunes MC. Baixo peso ao nascer como marcador de alterações na monitorização ambulatorial da pressão arterial. *Arq Bras Cardiol.* 2009;92(2):107-21.
3. Zanini CR, Jardim PC, Salgado CM, Nunes MC, Urzêda FL, Carvalho MV, et al. O efeito da musicoterapia na qualidade de vida e na pressão arterial do paciente hipertenso. *Arq Bras Cardiol.* 2009;93(5):534-40.
4. Marsiglia JD, Batitucci MdoC, Paula F, Barbirato C, Arteaga E, Araújo AQ. Estudo de mutações causadoras de cardiomiopatia hipertrófica em um grupo de pacientes no Espírito Santo, Brasil. *Arq Bras Cardiol.* 2010;94(1):10-7.
5. Moura LZ, Guimarães GV, Pires PV, Cruz F, Stopa G, Bocchi EA. Quimiossensibilidade durante exercício na insuficiência cardíaca: respostas ventilatórias, cronotrópicas e neurohormonais. *Arq Bras Cardiol.* 2010;95(3):381-91.
6. Nastari L, Ramires FJ, Salemi VM, Ianni BM, Fernandes F, Strunz CM, et al. Ativação adrenérgica intramiocárdica na cardiomiopatia chagásica e doença arterial coronariana. *Arq Bras Cardiol.* 2011;96(2):99-106.
7. Silva JP, Silva LD, Moreira LF, Lopez LM, Franchi SM, Lianza AC, et al. A técnica do Cone para correção da anomalia de Ebstein: resultados imediatos e em longo prazo. *Arq Bras Cardiol.* 2011;97(3):199-208.
8. Guaragna JC, Bodanese LC, Bueno FL, Goldani MA. Proposta de escore de risco pré-operatório para pacientes candidatos à cirurgia cardíaca valvar. *Arq Bras Cardiol.* 2010;94(4):541-8.
9. Pêgo-Fernandes PM, Moreira LF, Souza GE, Bacal F, Bocchi EA, Stolf NA, et al. Bloqueio simpático esquerdo por videotoracoscopia no tratamento da cardiomiopatia dilatada. *Arq Bras Cardiol.* 2010;95(6):685-90.
10. Brito Filho F, Campos KN, Oliveira HA, Fernandes J, Silva CA, Gaio E, et al. Efeitos hemodinâmicos da sobrecarga ventricular direita experimental. *Arq Bras Cardiol.* 2011;96(4):284-92.
11. Nascimento TB, Baptista RdeF, Pereira PC, Campos DH, Leopoldo AS, Leopoldo AP, et al. Alterações vasculares em ratos obesos por dieta rica em gordura: papel da via L-arginina/NO endotelial. *Arq Bras Cardiol.* 2011;97(1):40-5.
12. Ribeiro RA, Stella SF, Zimerman LI, Pimentel M, Rohde LE, Polanczyk CA. Custo-efetividade de cardiodesfibriladores implantáveis no Brasil nos setores público e privado. *Arq Bras Cardiol.* 2010;95(5):577-86.
13. Fernandes RA, Christofaro DC, Casonatto J, Codogno JS, Rodrigues E, Cardoso M, et al. Prevalência de dislipidemia em indivíduos fisicamente ativos durante a infância, adolescência e idade adulta. *Arq Bras Cardiol.* 2011;97(4):317-23.
14. Rossi BR, Mazer D, Silveira LC, Jacinto CP, Di Sacco TH, Blanco JH, et al. O exercício físico atenua o déficit autonômico cardíaco induzido pelo bloqueio da síntese do óxido nítrico. *Arq Bras Cardiol.* 2009;92(1):31-8.
15. Santos ES, Timerman A, Baltar VT, Castillo MT, Pereira MP, Minuzzo L, et al. Escore de risco Dante Pazzanese para síndrome coronariana aguda sem supra-desnívelamento do segmento ST. *Arq Bras Cardiol.* 2009;93(4):343-51.
16. Carvalho VO, Guimarães GV, Carrara D, Bacal F, Bocchi EA. Validação da versão em português do Minnesota Living With Heart Failure Questionnaire. *Arq Bras Cardiol.* 2009;93(1):39-44.