



Archivos de Cardiología de México

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SPECIAL ARTICLE

The role of European National Journals in education

El papel de las Revistas Nacionales Europeas en la Educación

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Received: October 12, 2009; accepted: October 26, 2009.

This manuscript will be simultaneously published in all ESC National Societies and ESC Affiliated Societies' cardiovascular journals that consented to publication

The Editors' Network of the European Society of Cardiology (ESC) defined its mission in the statement published across the national cardiac journals of Europe in 2008.¹ The Network is now considering ways in which their publications can have a broader influence in the field of postgraduate education.

The need for cardiologists to continue to learn throughout their professional life will remain essential. Indeed recognition for the need for postgraduate education was highlighted by Hippocrates long before it was espoused by medical educators and Public Relations Departments. *Ars longa, vita brevis* is the Latin translation of Hippocrates recognition that for a doctor, the need to continue learning the art of medicine lasts for all of our professional life. In medieval times, the foundation of modern day ethical medical practice laid within the heart of the Universities; the long-term future of the medical

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profession was founded in the concept of doctors as men and women of learning and knowledge, rather than the purveyors of non-scientifically based remedies.

So how does the modern-day Editor of a National Cardiology Journal, crouched over his computer screen, relate to his medieval predecessor, the Abbot in charge of the University Library selecting the books for scholarly enterprise? The most obvious difference, of course, is that the Internet provides modern-day authors with easy access to the Editor and consequently the Editor is obliged to make judgements on a much larger number of manuscripts than his predecessor would have been asked to do (Figure). The academic effort however is potentially very valuable, allowing the Editor to accumulate the current wisdom by which writers combine both the knowledge of cardiovascular medicine, with the style with which to communicate that knowledge, in an authoritative way to doctors who wish to learn.

What are the characteristics of doctors who wish to learn? As adults, they prefer a self-directed approach, in which they identify their own learning needs, formulate learning objectives, identify resources to achieve these objectives and evaluate their own learning.² Medical journals provide a ready resource for meeting the aims of self-directed learning, particularly through their commentary and review articles, but the value of the resource is critically

Table 1. Summary EBAC criteria for accreditation of CME articles

- Internationally recognised authors
- Disclosure of conflicts of interest
- No advertising within article
- Provision of objective evaluation instrument (MCQs)
- Web-based system for provision of CME certificate if $\geq 60\%$ of questions are answered correctly

dependent on the quality of the content, which in turn depends on three factors:

1. *Subject selection:* ideally this should be curriculum-based, the core curriculum of the ESC intending to provide a framework for the continuing medical education of the general European Cardiologist. Both mainstream and more peripheral subject matter are required for comprehensive educational coverage, and so there will be a need for updates, particularly in areas where new discoveries are proceeding most rapidly.
2. *Author selection:* Editors are in an unrivalled position to select from currently active authors; those best able to educate others based on their subspecialty expertise and writing skills. Clear presentation must be coupled with the intellectual rigor to back up assertions with evidence derived from critical appraisal of the relevant literature.
3. *Presentation:* this should be designed to help stimulate the reader, using highly structured content, relevant illustrations, summary box displays, and annotated references that allow the reader to refer back to source material.

Adults who wish to learn, however, require more of medical journals than high quality commentary and review articles. They also require educational feedback provided by accrediting organisations in order to consolidate their learning and acquire the continuing medical education (CME) credits that in many countries are becoming an essential requirement for practising doctors. The European Board for Accreditation in Cardiology (EBAC), for example, requires that cardiologists earn a minimum of 250 CME credits over a period of five years, 125 of which must be "external CMEs" from formally planned external activities, including educational articles.³ The EBAC accreditation policy for CME articles is summarised in Table 1 and includes a requirement for "an objective evaluation instrument", recommending the use of a multiple choice questionnaire (MCQ) made available on-line. Articles of ~3,500 words and 6 MCQs are considered equivalent to one hour of educational activity and provide 1 CME credit.

Nearly all the national cardiac journals of Europe carry high quality review articles (Table 2).⁴⁻⁷ Heart, the UK-based international cardiac journal, has been a leader in the field of journal-based education for 10 years,⁸ and currently accounts for >95% of educational articles attracting CME credits on the EBAC web site. Its educational section runs semi-autonomously within the journal under the direction of a dedicated editor and a team of

Table 2. Questionnaire on Education Issues : ESC National Society Cardiovascular Journals

<p>Currently Published Articles:</p> <ul style="list-style-type: none"> • 84% Journals publish Editorials (63% peer-reviewed) • 92% Journals publish Review Articles (83% peer-reviewed) • 82% Journals publish Supplements (62% peer-reviewed) <p>Clinical Practice Guidelines (CPG):</p> <ul style="list-style-type: none"> • 79% Journals publish CPG: <ul style="list-style-type: none"> - 67% National CPG - 73% ESC CPG: <ul style="list-style-type: none"> - 50% translated into national languages - 36% in English - 14% translated into national languages and in English <p>Continuous Medical Education (CME)</p> <ul style="list-style-type: none"> • 42% Journals have CME programs • 32% Journals obtain national CME credits • 76% Journals would be interested in obtaining ESC CME credits <p>Interest in Additional Educative Material:</p> <ul style="list-style-type: none"> • 92% Journals interested in ESC joint educative papers • 92% Journals interested in "occasional" publication of educative material directly organized by the ESC • 71% Journals consider that educative material need not to be distinct/ country focused • 82% Journals believe that both undergraduate and postgraduate education should be covered
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ESC= European Society of Cardiology. A 38 item questionnaire was devised by the Editor's Network Nucleus and sent to ESC National Journal Editors (44 National Societies and 16 Affiliated Societies). Data was obtained from 38 National Journals (33 National Society Journals - 75% response rate - and 5 Affiliated Societies Journals)

specialist advisors. Education in Heart is available for free access via the Heart and ESC web sites^{9,10} and its articles are among the most highly accessed of all the journal's papers, consistently appearing in the top ten web-downloads during 2008.¹¹⁻¹⁵ High quality educational content with provision of local CME credits is also available in other national cardiac journals^{16,17} (Table 2) and The Editors' Network now provides a real opportunity to extend these educational initiatives throughout the national cardiology journals of Europe.¹⁰

References

1. Alfonso F, Ambrosio G, Pinto FJ, Van der Wall EE, Kondili A, Nibouche D, Adamyan K, Huber K, Ector H, Masic I, Tarnovska R, Ivanusa M, Staněk V, Videbæk J, Hamed M, Laucevicius A, Mustonen P, Artigou J-Y, Cohen JY, Rogava M, Böhm M, Fleck E, Heusch G, Klawki R, Vardas P, Stefanadis C, Tenczer J, Chiariello M, Elias J, Benjelloun H, Rødevand O, Kutakowski P, Apetrei E, Lusov VA, Oganov RG, Obradovic V, Kamensky G, Kenda MF, Höglund C, Lüscher TF, Lerch R, Jokhadar M, Haouala H, Sansoy V, Shumakov V, Timmis A. European National Society cardiovascular journals. Background, Rationale and Mission Statement of the "Editors' Club" (Task Force of the European Society of Cardiology). *Heart*. 2008;94:e19.
2. Kaufman DM. ABC of learning and teaching in medicine: Applying educational theory in practice. *BMJ* 2003; 326: 213 - 216
3. European Board for Accreditation in Cardiology. <http://www.ebac-cme.org/index.php> (accessed 18/9/09)
4. Ramos PM, Martinez VB, Granada JQ, Juanatey JR. [Advances in hypertension and diabetes in 2007]. *Rev Esp Cardiol*. 2008;61 Suppl 1:58-71.
5. Selton-Suty C, Juillièrè Y. Non-invasive investigations of the right heart: How and why? *Arch Cardiovasc Dis*. 2009;102:219-32.
6. Maas AH, Franke HR. Women's health in menopause with a focus on hypertension. *Neth Heart J*. 2009;17:68-72.
7. Stefanatou A. Smoking cessation in cardiovascular patients. *Hellenic J Cardiol*. 2008;49:422-31.
8. Timmis AD. Education in Heart: 10th anniversary. *Heart* 2009;95:1555.
9. *Heart*. <http://heart.bmj.com> (accessed 18/9/09)
10. European Society of Cardiology. <http://www.escardio.org/membership/national-societies/Pages/journals.aspx> (accessed 18/9/09)
11. Peter R, Cox A, Evans M. Management of diabetes in cardiovascular patients. *Heart* 2008; 94: 369-375.
12. Grayburn PA. How to measure severity of mitral regurgitation. *Heart* 2008 94: 376-383.
13. Konstantinides SV. Acute pulmonary embolism revisited. *Heart* 2008 94: 795-802.
14. Wu AH. Cardiotoxic drugs: clinical monitoring and decision making. *Heart* 2008; 94: 1503-1509.
15. Jukema JW, Bergheanu SC. Statins: established indications and controversial subgroups. *Heart* 2008; 94:1656-1662.
16. Cruz-González I, Solis J, Inglessis-Azuaje I, Palacios IF. Patent foramen ovale: current state of the art. *Rev Esp Cardiol* 2008; 61:738-51
17. Badimon L, Vilahur G. Coronary atherothrombotic disease: progress in antiplatelet therapy. *Rev Esp Cardiol* 2008;61:501-13.

Appendix

Journal names (by alphabetic order of country origin and members (Editors-in-chief of the Editors' Network))

National Society Name	National Society Journal	Editor-in-Chief	National Society Name	National Society Journal	Editor-in-Chief
Austrian Society of Cardiology	Journal für Kardiologie*	Kurt Huber	Russia Fed Society of Cardiology	Cardiovascular Therapy and Prevention Rational Pharmacotherapy in Cardiology	Rafael G. Oganov
Belgian Society of Cardiology	Acta Cardiologica	Hugo Ector	Slovak Society of Cardiology	Kardiológia	Gabriel Kamensky
Association of Cardiologists of Bosnia and Herzegovina	Medicinski Arhiv	Izet Masic	Spanish Society of Cardiology	Revista Española de Cardiología	Fernando Alfonso
Croatian Cardiac Society	Kardio List	Mario Ivanusa	Swiss Society of Cardiology	Kardiovaskuläre Medizin	Thomas F. Lüscher
Cyprus Society of Cardiology	Cyprus Heart Journal	Loizos Antoniadis		Médecine Cardiovasculaire	René Lerch
Czech Society of Cardiology	Cor et Vasa	Michael Aschermann	Tunisian Society of Cardiology	Cardiologie Tunisienne	Habib Haouala
Estonian Society of Cardiology	Seminars in Cardiovascular Medicine**	Alexandras Laucevicius	Turkish Society of Cardiology	Archives of the Turkish Society of Cardiology	Vedat Sansoy
Finnish Cardiac Society	Sydänääni (Heart Beat)	Pirjo Mustonen	Ukrainian Association of Cardiology	Ukrainian Journal of Cardiology	Valentin Shumakov
French Society of Cardiology	Archives des maladies du cœur et des vaisseaux Pratique	Jean-Yves Artigou	British Cardiovascular Society	Heart	Adam Timmis
Hellenic Cardiological Society	Hellenic Journal of Cardiology	Panos Vardas Christodoulos Stefanadis	Affiliated Society Name	Affiliated Society Journal	Editor-in-Chief
Italian Federation of Cardiology	Journal of Cardiovascular Medicine Giornale Italiano Di Cardiologia	Massimo Chiarello Leonardo Bolognese	Argentine Society of Cardiology	Revista Argentina de Cardiología	Carlos Daniel Tajer
Latvian Society of Cardiology	Seminars in Cardiovascular Medicine**	Alexandras Laucevicius	Hong Kong College of Cardiology	Journal of the Hong Kong College of Cardiology	Chu-Pak Lau
Lithuanian Society of Cardiology	Seminars in Cardiovascular Medicine**	Alexandras Laucevicius	Mexican Society of Cardiology	Archivos de Cardiología de México	Manlio F Márquez
Netherlands Society of Cardiology	Netherlands Heart Journal	Ernst E. van der Wall	Heart Association of Thailand	Thai Heart Journal	Rungroj Kittayaphong
Polish Cardiac Society	Kardiologia Polska – Polish Heart Journal	Piotr Kulakowski	Venezuelan Society of Cardiology	Avances Cardiológicos	Kaduo Arai
Portuguese Society of Cardiology	Revista Portuguesa de Cardiologia	Fausto J. Pinto			
Romanian Society of Cardiology	Revista Română de Cardiologie	Eduard Apetrei			

* Not official National Society journal, but major cardiology journal in Austria

** Common journal for the Baltic countries