

## The Role of European National Journals in Education

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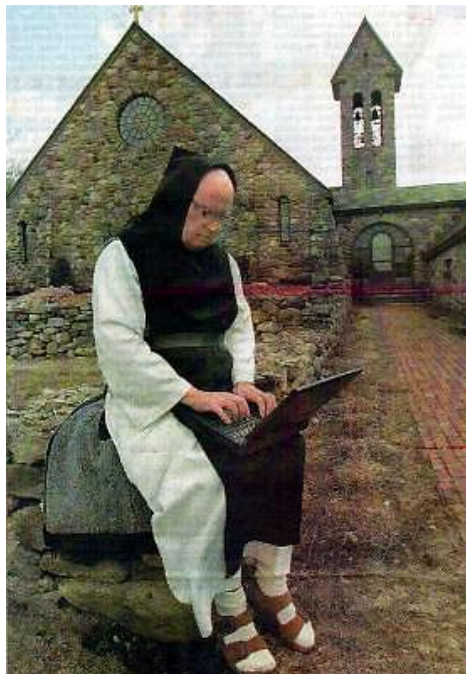
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This manuscript will be simultaneously published in all ESC National Societies and ESC Affiliated Societies' cardiovascular journals that consented to publication

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 the Medication Educationalists 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 was laid within the heart of the Universities; the long term future of the medical 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 a current wisdom of 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 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 feed-back 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

**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

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 5 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 1 hour of educational activity and provide 1 CME credit.

Nearly all the national cardiac journals of Europe carry high quality review articles (4-7) (**Table 2**). 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

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

**A) Currently Published Articles:**

- 84% Journals publish Editorials (63% peer-reviewed)
- 92% Journals publish Review Articles (83% peer-reviewed)
- 82% Journals publish Supplements (62% peer-reviewed)

**B) Clinical Practice Guidelines (CPG):**

- 79% Journals publish CPG:
  - 67% National CPG
  - 73% ESC CPG:
    - 50% translated into national languages
    - 36% in English
    - 14% translated into national languages and in English

**C) Continuous Medical Education (CME)**

- 42% Journals have CME programs
- 32% Journals obtain national CME credits
- 76% Journals would be interested in obtaining ESC CME credits

**D) Interest in Additional Educative Material:**

- 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

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)

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 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).

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## Appendix

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

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

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

\*\* Common journal for the Baltic countries