EDITORIAL COMMENT

Natriuretic peptides for heart failure patients in primary care: Today more than ever

Peptídeos natriuréticos nos doentes com insuficiência cardíaca nos Cuidados de Saúde Primários: agora mais do que nunca

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Heart failure (HF) is a public health priority. In Portugal, there are about 400,000 people living with HF, resulting in an estimated disease burden of 21,621 disability-adjusted life years. In the past 20 years, we can expect a significant increase in the number of patients, leading to a similar rise in disease burden and of 73% in mortality.

It is a complex problem where several causes concur for multiple effects. The determinants are well-known. They include an aging population, the decrease in mortality from coronary heart disease and other myocardial diseases, the intensification of medical intervention in diseases such as cancer or connective tissue disorders, with greater iatrogenic potential, and even the socioeconomic factors. Generally, HF is the consequence of most heart diseases and the increasingly significant comorbidities in our patients.

Until recently, living with HF represented the inevitability of terminal disease for many patients. Nowadays, however, the recent introduction of new therapeutic options with impact on the prognosis have changed the scenario, creating hope for the future and forcing us to reconsider the position of illness. It is no longer ethical to wait for the classic clinical presentation when we can intervene in disease evolution. More than alleviating symptoms, we currently have robust evidence that we can indeed modify natural history and with it also the symptoms, comfort, and the quality of life of our patients.

Success has brought with it an added responsibility. Now, we must create conditions to treat these patients well, which is far from simply prescribing the best medications. In this issue of the Portuguese Journal of Cardiology, the article from Fonseca et al. draws attention to the need to provide instruments capable of ensuring access to diagnosis and better guidance for these patients in health services, particularly in primary health care. This study demonstrates that the introduction of N-terminal pro-B-type natriuretic peptide in the decision flowchart decreases the number of medical appointments, the number of ordered tests, the number of hospitalizations, the mortality, and the costs of HF, in a clearly positive cost-effectiveness analysis compared to the current standard of care.

The diagnosis of HF is based on the clinical presentation, on the findings in the physical examination, and on
the presence of an abnormal electrocardiogram. Although appropriate training improves specific acuity,⁵ the pro-
gressive nature of HF makes the diagnosis more difficult
and means complementary tests are required where the
echocardiogram plays a central role. Unfortunately, access
to a high-quality echocardiogram is not warranted for
everyone compared to blood tests, which are more easily
available nationwide. Natriuretic peptides can play this role
when reimbursement in a primary care setting is resolved.
They present high negative predictive values, with good per-
formance as screening and diagnostic tests in primary health
care,⁶ in addition to the prognostic value in patients with
heart failure.⁷ The 2021 recommendations of the European
Society of Cardiology are definitely set the standard for the
initial care of these patients.⁸

This is a crucial aspect, but we still need to review the
whole group of people living with HF. Many other factors
are important, such us (1) the implementation of inte-
grated management systems for these patients involving
the different levels of care, (2) the promotion of contin-
uity of care, avoiding the need for attendance by the
emergency services, (3) the structuring of referral networks
oriented more toward the patient and not so much toward
the dynamics and interests of services, (4) ensuring timely
access to health care services, namely for the first hospital
appointment, (5) promoting effective communication sys-
tems between services and with patients and (6) ensuring
access to therapeutic innovation, among others. They re-
present a multifactorial view of the problem and address the
different dimensions.

Also, we cannot forget that the patients are first and
foremost responsible for their own health, and that this
responsibility depends on how they are able to make their
own decision, whether in the primary prevention of lifestyles
and risk factors, in secondary prevention of the already
present disease, or in tertiary prevention of the optimiza-
tion of remaining function. Promoting health literacy is the
key to quality of care, demanding and rigorous, aiming at
everyone being able to access health information, under-
stand it and transform it into concrete actions in their lives,
for their own benefit, realizing their current limitations and
respecting their autonomy.⁹

Nevertheless, this analysis from Fonseca et al. provides
the ground for an evidence-based decision on making pept-
ides available for the screening and diagnosis of HF at
patients’ first point of contact, primary health care. It is now
up to whomever is entitled to take advantage of science as
support for the production of technical and administrative
guidelines to leverage quality and to improve health care
for these patients.

Conflicts of interest

The author has no conflicts of interest to declare.

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