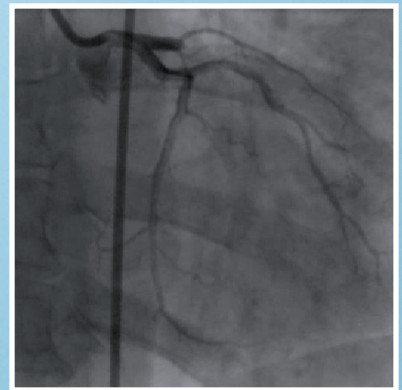
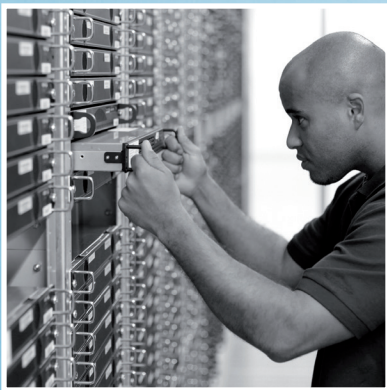


CARDIO NETWORKS.ORG

ANNUAL REPORT 2020



Improving access to medical knowledge

CARDIONETWORKS IN BRIEF

The Cardionetworks Foundation is a non-profit organization founded in 2007 and based in The Netherlands. The goals of the foundation are: “to improve medical knowledge, especially in the field of cardiology, and to provide access to this knowledge by facilitating publications in digital or other form, amongst other means by building and maintaining websites.” As a not-for-profit organization, all revenues are spent in the pursuit of this cause.

Cardionetworks manages specialized websites, providing high quality and up-to-date information freely to physicians all around the world. Our websites are all published under a creative commons license and the information is accessible without login or registration.

Make a donation

As a charitable enterprise, we rely entirely on the generosity of our supporters to allow us to continue in our work. To join our growing list of supporters please contact vanderwerf@cardionetworks.org to discuss the best way to contribute.

Every cent you are able to give helps us further promote free global access to vital medical information and resources. Please know that the board members of the Cardionetworks.org Foundation are not receiving financial compensation for their work.

Thank you for your generosity.

MESSAGE FROM THE FOUNDATION BOARD

Welcome to the 2020 annual report of Cardionetworks. Since its inception in 2007, the goal of the Cardionetworks Foundation has been to provide free and open access to unbiased and up-to-date medical knowledge to the global medical community. The non-profit organization enjoys a significant international online presence from its base in The Netherlands.

The foundation publishes and maintains a series of websites offering physicians, nurses and students invaluable, reliable and up-to-date information on certain specialized subjects. Our websites are published under a creative commons license, allowing free, global access without login or registration.

Last year, we thought that 2020 might well become a tough year on a global scale. We are still amazed by the understatement of this remark. In this astounding year at the end of a fluctuating but in general prosperous decade, we have witnessed the collapse but also the elasticity of health care on a global scale. So many lives have been lost or devastated by SARS-COV-2 in all its forms, and so much effort has been displayed by the health care community. Even if we are able to devalue SARS-COV-2 to flu-like dimensions, the aftermath on health care, on socio-economic balances and on international relations will last for years if not decades. Also our own practices have suffered and are still suffering. We sincerely hope that those who survived will be able to build back a better world in terms of health, equality, prosperity, peace and a durable green environment.

Back to cardiology, and to our Foundation. Last year, we welcomed a slightly increased number of visitors compared to the two previous years. Although we did not yet level our previous records, with over 1.3 million visitors from all over the globe, we are rather satisfied. We are particularly proud that developing countries remain large users of our sites. India, the Philippines, Malaysia and Pakistan have become stable partners in the top 10 visiting countries.

Although we have not received commercial funding for the past years, since costs have also been decreased, and we still have revenue from our reference cards, we were able to maintain a positive end result, albeit again with a negative balance.

None of the achievements of this year, or during the lifetime of Cardionetworks, would have been possible without the tremendous efforts of the many volunteers who have helped in the process. As always, the foundation board is grateful for all the work and time that have been freely given to make this project such a success.

Jonas de Jong, MD, PhD, Chair

Pieter Postema, MD, PhD, Secretary

Christian van der Werf, MD, PhD, Treasurer

The Cardionetworks Foundation board.

VISITORS STATISTICS

The majority of visitors located the site through a search engine. A variety of search terms were used to locate the site, including “myocardial infarction”, “pathologic q waves”, “QTc calculator”, and “QRS axis”, demonstrating the genuine need for this service.

The geographical distribution of visits to our own en.ecgpedia.org is shown in the map. The majority of users continue to be based in English-speaking ‘developed’ countries. However, visitors from countries such as India, the Philippines and Malaysia represent a significant proportion of our users.

• Visitor statistics of en.ECGpedia.org in 2020

Country/Territory	Acquisition			Behavior		
	Users	New Users	Sessions	Bounce Rate	Pages / Session	Avg. Session Duration
	925,059	904,083	1,331,408	65.73%	2.44	00:02:06
Netherlands	316680	303868	578055	55,25%	2,98	00:02:56
United States	207392	205127	235258	77,80%	1,74	00:00:59
India	66468	66884	85398	77,72%	1,72	00:01:28
Belgium	59901	58376	96479	58,03%	2,92	00:02:34
United Kingdom	41151	40893	48691	74,85%	1,89	00:01:11
Australia	21749	21786	25795	76,58%	1,85	00:01:14
Canada	16883	16945	20305	75,07%	1,78	00:01:03
Philippines	10847	10946	13071	80,63%	1,44	00:01:03
Malaysia	10184	10145	13419	81,42%	1,52	00:01:08
Pakistan	7483	7437	9364	77,03%	1,82	00:01:30

The majority of visitors located the site through a search engine, demonstrating the genuine need for this service

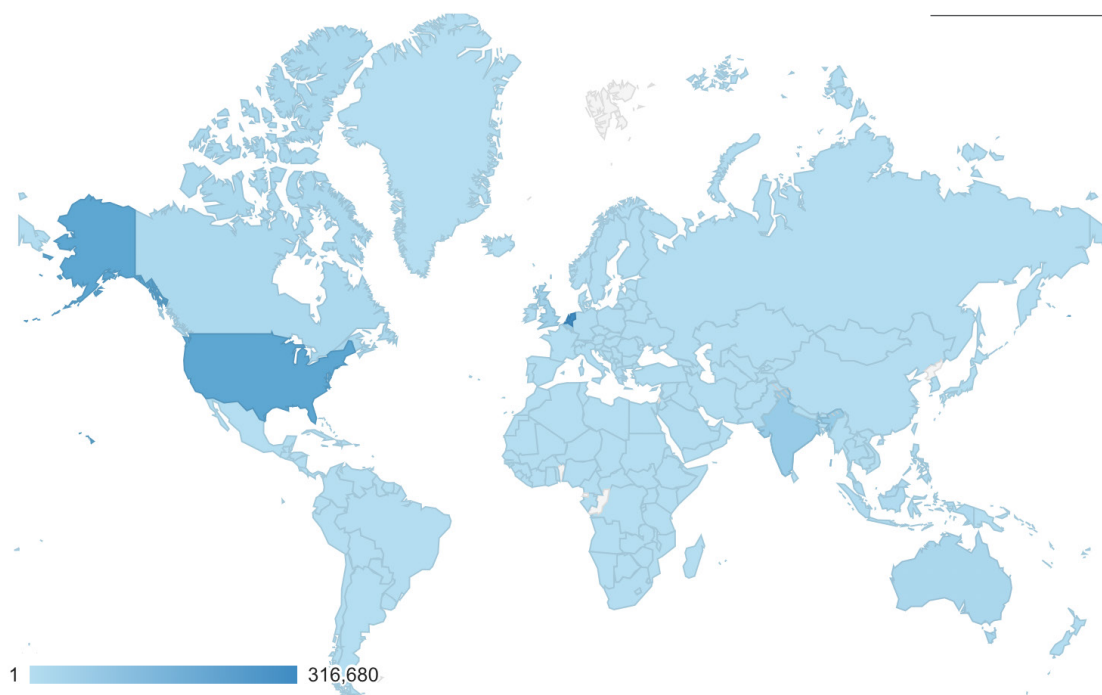
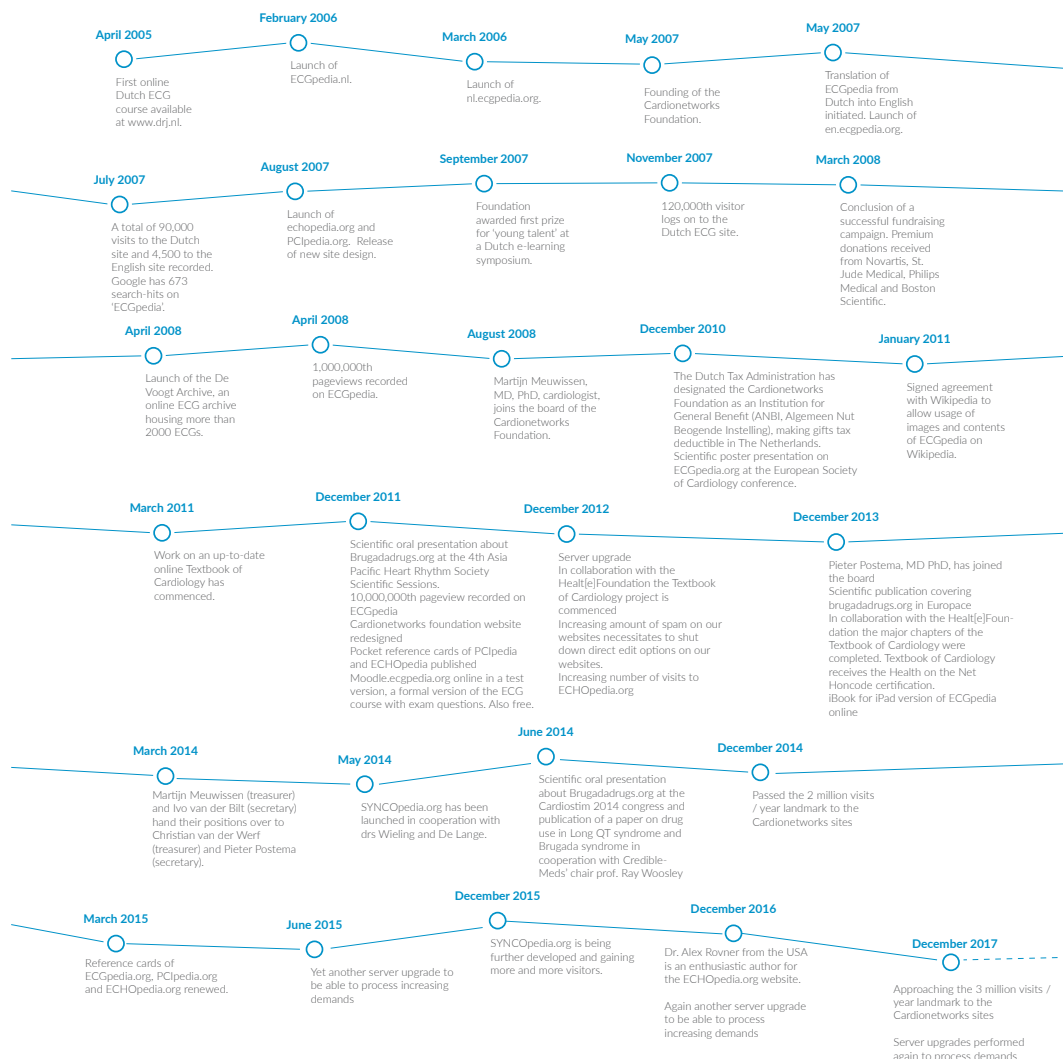


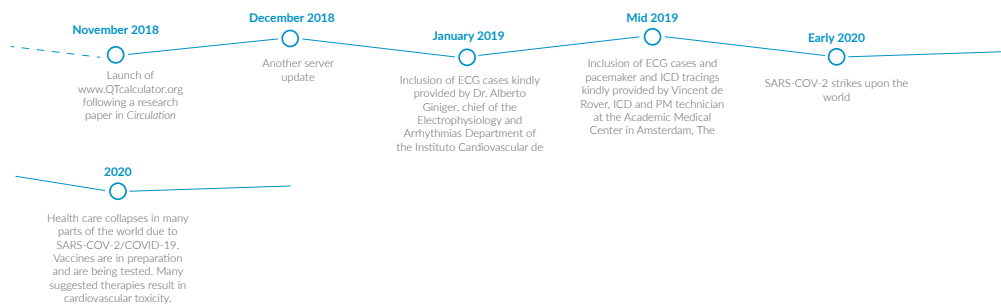
Figure 1. Sessions by country.

CARDIONETWORKS: A TIMELINE OF ACHIEVEMENT

Highlights of 2020

Over 1.3 million visitors from 227 countries were logged, with an average visit lasting around 2 minutes.





CARDIONETWORKS RESOURCES

Cardionetworks' first project was ECGpedia.org, an online electrocardiography course. We have since created, and continue to maintain, around 30 individual websites, all dedicated to improving medical knowledge in the field of cardiology. We subscribe to the HONcode principles of the Health On the Net Foundation.

Anyone can contribute to the Cardionetworks websites through Mediawiki software. We welcome all improvements to our websites. All suggestions for improvement are screened by physician moderators.

ECGpedia

ECGpedia is a free electrocardiography (ECG) course and textbook designed for medical professionals such as cardiac care nurses and physicians. It is the primary website of the CardioNetworks Foundation. Since its foundation ECGpedia has become an important source of up-to-date information on ECG interpretation. The website now includes more than 2500 example ECG's provided by contributors around the world. Current efforts are directed towards improvement of the readability of the websites, more interactivity with visitors (quizzes and polls). A comprehensive online ECG basics course with exam is now available (moodle.ecgpedia.org). In addition, an iBook version of the website has been developed.

Textbook of Cardiology

The Textbook of Cardiology is an up-to-date and freely accessible online cardiovascular reference work. This is a project in collaboration with the Health[e]Foundation. The Health[e]Foundation has much experience with HIV education for medical professionals in developing countries. Requests came forward from participants for cardiovascular education. In collaboration the textbook has now been written. It will be made available online by Cardionetworks and offline by the Health[e] Foundation which will include the text on USB sticks that are distributed through their network.

Anyone can
contribute to
Cardionetworks.
We welcome all
improvements to
our websites.

Contributors to the online Textbook of Cardiology

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- Arthur Wilde, MD, PhD, AMC, The Netherlands
- Janneke Wittekoek, MD, PhD, The Netherlands
- Pier Woudstra, MD, AMC, The Netherlands

Echopedia

Echopedia is a free echocardiography textbook, designed for medical professionals such as cardiologists and echocardiography technicians. The site is still under development. Echopedia now contains more than 900 echocardiogram images from more than 170 cases provided by the AMC Echolab. An overview of all echocardiographic normal values is now presented on the website. In 2013 we received an excellent contribution of basic text chapters that were missing and are currently being converted to the website format.

PCIpedia

PCIpedia is a free textbook on intervention cardiology, designed for medical professionals such as cardiologists and cathlab technicians. The site is still under development. The first batch of coronary angiography cases is now online. Also, a start has been made to introduce visitors to angiographic coronary anatomy and technique. A pocket reference card has been developed and printed to give a quick review of coronary angiographic views.

BrugadaDrugs.org

The Brugada syndrome has been recognized as an important cause of sudden cardiac death in individuals at a relatively young age. Many drugs have been associated with adverse events in Brugada-syndrome patients. These drugs may either induce life-threatening ventricular arrhythmias and/or induce the characteristic Brugada syndrome-linked ECG abnormalities which are associated with poor outcome.

BrugadaDrugs.org provides an overview on the available evidence and expert opinion regarding drug safety in Brugada syndrome. And is the result of a recently performed review of the literature. BrugadaDrugs.org ensures worldwide and up-to-date availability of this knowledge base to physicians and patients. This site was launched by Pieter Postema and is hosted by Cardionetworks.

Foundation websites

www.brugadadrugs.org

www.cardiolinks.org

www.cardionetworks.org

www.ecgpedia.org

www.echopedia.org

www.pcipedia.org

www.syncopedia.org

www.textbookofcardiology.org

www.thefailingheart.org

www.thrombopedia.org

www.QTcalculator.org

Offline content

While the majority of our effort at Cardionetworks is focused towards delivering high-quality, freely-available medical information over the Internet, we also offer certain information and training offline.

ECGpedia pocket cards are available and have been proved very popular. They can be printed out online, and ordered in a full colour and laminated print. More than 12000 preprinted cards have been distributed.

Live ECGpedia courses have proved very popular amongst the following groups:

- Dutch medical students
- Anesthetist residents
- General practioners
- Junior doctors
- Anesthesia and internal medicine residents

A PCIpedia pocket card has been published

An Echopedia pocket card has been published

Visit statistics 2020:

en.ecgpedia.org

925,059

cmrpedia.org

178

echopedia.org

89,611

brugadadrugs.org

80,503

textbookofcardiology.org

103,546

thrombopedia.org

2,703

pcipedia.org

Cloudflare

cardionetworks.org

4,551

syncopedia.org

21,279

FOUNDATION BOARD



Jonas S.S.G. de Jong, MD, PhD, FESC
Chair

Cardiologist , electrophysiologist
Onze Lieve Vrouwe Gasthuis
The Netherlands.



Pieter G. Postema, MD, PhD
Secretary

Cardiologist, electrophysiologist
Amsterdam University Medical Centers, Academic
Medical Centre, University of Amsterdam
The Netherlands.



Christian van der Werf, MD, PhD
Treasurer

Cardiologist
Amsterdam University Medical Centers, Academic Medical
Centre, University of Amsterdam
The Netherlands

COMMERCIAL BENEFACTORS OF THE FOUNDATION IN 2020:

~NONE~

PREVIOUS YEARS COMMERCIAL SPONSORS



FINANCIAL REPORT

Accounts 01.01.2020	7388		
Revenues		Expenses	
Donations	96	Banking	123
Website development	300	Webhosting costs	1816
Reference card & book revenues	1578	Content development & office	423
		Reference cards	694
		Reservation	0
Total	1974		3057

Accounts 31.12.2020	6305		
Balance sheet 2020			
Assets		Debts	
Accounts	6305	Capital	6305
		Accounts payable	0
Total	6305		6305

CARDIONETWORKS' MISSION

“To improve medical knowledge, especially in the field of cardiology, and to provide access to this knowledge by facilitating publications in digital or other form, amongst other by building and maintaining websites.”

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ING Bank account IBAN NL55PSTB0002382426

Registered with the Chamber of Commerce Amsterdam

KVK 34274298 (as: Stichting Cardionetworks)

The Dutch Tax Administration has designated the Cardionetworks Foundation as an Public Benefit Organisation (ANBI, Algemeen Nut Beogende Instelling). Gifts to the Cardionetworks Foundation can be tax deducted in the Netherlands. This not only applies to the deduction of donations for the income tax but also to the company tax and inheritance tax.

CREATIVE COMMONS

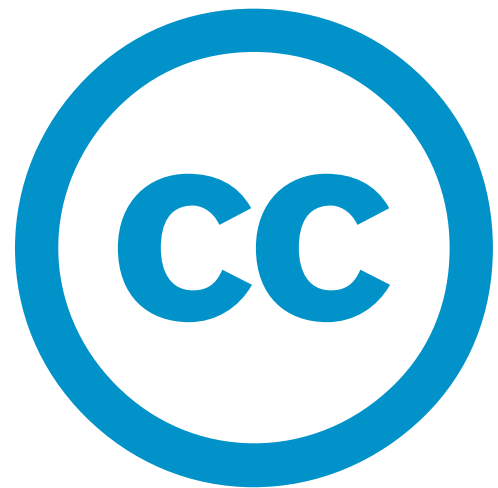
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www.cardionetworks.org