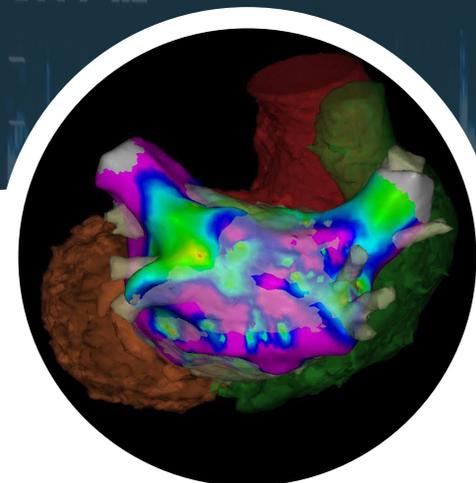


HEART-SIGN

System for Information Gathering and Networking



STATE-OF-THE-ART INFORMATICS PLATFORM

Heart-SIGN is an informatics platform that manages the acquisition, integration, storage, federation, analysis and sharing of multidimensional data collected from the Cardiac Arrhythmia Network of Canada (CANet) study patients.

CAPTURE

- Heart-SIGN speeds up information exchange between sites across Canada. In some cases from days to minutes.

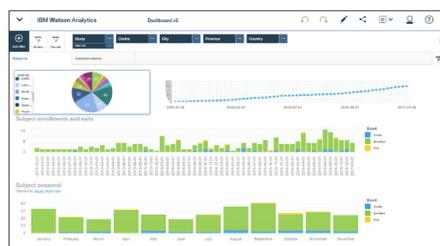
PROCESS

- Creation of a unified repository for cardiac research data allows development of analytics and machine learning routines and gaining new insights into the data.

PRESENT

- Development of validated advanced analytics will reduce clinicians workload and will eventually lead to more patient self-management

DASHBOARD EXAMPLE



Heart-SIGN is not only the data resource for arrhythmia research and clinical practice but it also provides a platform for research-based and clinical initiatives to identify clinical specific needs, track patients through the medical care system and to measure outcomes.

This unprecedented level of information and analytical capability will inform changed processes leading to system and patient level advances in treatment.

Heart-SIGN uses state-of-the art IBM Open Platform and Business Intelligence software, as well as, CANet proprietary analytics components incorporating its extensive clinical expertise.

Heart-SIGN offers an unprecedented level of information and analytical capability that enables researchers to harness the vast information available and – within minutes – uncover answers that previously might have taken years to discover, thus leading to immediate clinical outcomes.

“Today, healthcare research is overwhelmed by the sheer volume of complex, big data. The ability for researchers and providers to utilize cognitive tools helps them to spend less time sifting through data and more time gaining insights and delivering transformation where we need it the most.”

Nathalie Le Prohon, vice president of IBM's healthcare industry in Canada.

C-Share: Secure File Sharing

C-Share is an integrated cloud-based file sharing with security and access control to deliver data and DICOM images to Heart_SIGN. This reduces the workload allowing technicians to use any workstation.

Learn more about this feature-rich Heart-SIGN informatics platform, visit:

<http://canet-nce.ca/Heart-SIGN>

CARDIAC ARRHYTHMIA NETWORK OF CANADA

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CANet

CARDIAC ARRHYTHMIA NETWORK OF CANADA
RESEAU CANADIEN SUR L'ARYTHMIE CARDIAQUE

The Cardiac Arrhythmia Network of Canada (CANet) is a not-for-profit organization dedicated to transforming Canada's arrhythmia health care system through integrated trans-disciplinary research and development. The network's strategy is to invent, prove, and implement innovative solutions to enable patients to take ownership and co-manage their arrhythmia health.



NCE RCE

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