



Perinatal Medicine



Sleep medicine



Cardiovascular medicine

#4

June 2020

Newsletter - Eindhoven MedTech Innovation Centre – e/MTIC

Dear e/MTIC members,

Health-related topics are dominating both our private and professional life right now. We are all trying to keep progress in running e/MTIC projects during the COVID-19 crisis and in addition, we help out or innovate to solve COVID-19 related problems.

In this newsletter, early detection and warning are important goals of multiple e/MTIC projects that are presented. These projects vary from early detection in preeclampsia and detection by a wearable sweat sensor for sepsis in a hospital, to an early warning in a surgical ward. The common factor of these projects is that they all fit in the e/MTIC roadmaps. A new COVID-19 related project is Recover@ Home, for this project we are still looking for additional students.

Ward Cottaar is presenting how the Taskforce Education contributes to the main goal of e/MTIC: Fast track to Clinical Innovation. There is an agenda where you find all upcoming courses, so keep an eye on these dates!

I often get the question: what defines an e/MTIC projects and how can my project become an e/MTIC project? For this, we have made an e/MTIC project-flyer to give better insight.

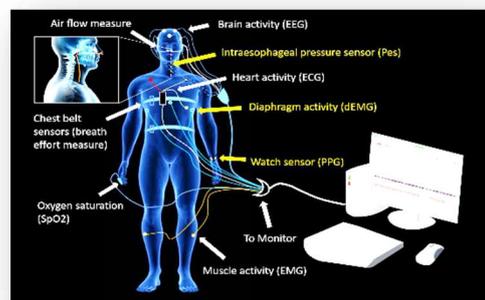
In June this year Piet Batenburg, Chairman of the Executive Board of Catharina Hospital and one of the founders of e/MTIC, will retire. In this newsletter-interview, Batenburg looks back on the origins of e/MTIC and gives his outlook on the e/MTIC future.

I trust you will enjoy reading this newsletter and contribute to next issues, building a community of e/MTICs.

Carmen van Vilsteren
e/MTIC

Diagnosis and management of Atrial Fibrillation compounded by Obstructive Sleep Apnea

By Maarten van den Broek: OSA is a very common and very important comorbidity in the AF population with respect to therapeutic effectiveness and AF-related complications. The exact mechanisms thru which these diseases interact is uncertain, and further elucidation could provide valuable information for future diagnostic and therapeutic strategies. [Read more](#)



Automated early warning scoring system in a surgical ward



By Eveline Mestrom: The Philips IntelliVue Guardian Solution was implemented on a high care surgical ward to facilitate the completion of the early warning score and provide clinical decision support. An exemplary e/MTIC project where new technology is tested in a real world hospital setting and where collaboration was a key to success. [Read more](#)

Early detection of preeclampsia

By Maretha Bester & Suzanne Moors: Early detection of preeclampsia could save the lives of thousands of women and infants. Tracking maternal heart rate variability (mHRV) throughout pregnancy could aid in this early detection. However, obstacles remain – such as exactly how mHRV is altered in association with preeclampsia, and how routine obstetric medications affect mHRV. [Read more](#)



e/MTIC Task Force Group - Education



By Ward Cottaar: The overall goal of e/MTIC is to speed up innovation in the healthcare domain. A goal which can only be reached if you do more things a first time right: this also means learn as much as possible from other people. That is why e/MTIC is also supported by the Task Force group on education. [Read more](#)

Student Challenge - Recover @ Home

***** CALL FOR HOME RECOVERY CARE INNOVATIONS **** As a result of the COVID-19 crisis, hospitals are under increasing pressure to deal with the growing demand to manage patients with different levels of acuteness. Patients need to be discharged quicker and the rehabilitation needs to be managed at home. [How can you support?](#)



Interview - Piet Batenburg "e/MTIC has a huge support among professionals"



In June this year Piet Batenburg, Chairman of the Executive Board of Catharina Hospital and one of the founders of e/MTIC, will retire. "The added value for the hospitals within the partnership is that e/MTIC provides access to high-quality scientific research and that is how we attract good medical specialists to Eindhoven". In this interview, Batenburg looks back on the origins of e/MTIC and how this initiative will continue without him. [Read more](#)

Webinar 'AI and Healthcare: use the opportunities!'

"The doctor and computer form together a powerful combination". With good cooperation and by sharing data, Artificial Intelligence (AI) can make a major contribution to solving healthcare problems. This is the conclusion of the webinar on artificial intelligence in healthcare. [Read more](#)



e/MTIC Courses



These courses are an initiative by e/MTIC and organised by TU/e SMPE/e (School of Medical Physics and Engineering-Eindhoven). The courses are obligatory for all e/MTIC related PhD's and PostDocs. We have three courses are ready for you! Starting off in September 2020. [Read more](#)

Wearable sweat sensor could monitor hospitalized patients on sepsis.

A research collaboration led by the Eindhoven University of Technology: Wearable sweat sensor could monitor hospitalized patients on sepsis and could substantially decrease the number of complications. The SEDAS project has been awarded 600k euros within the NWO Open Technology Program and is led by Jaap den Toonder (Mechanical Engineering department) and Jan Bergmans (Electrical Engineering). [Read more](#)



Your project can apply as e/MTIC project when ...



The flyer features a QR code in the top left corner. The main heading is "Your project can apply as e/MTIC project when it...". Below this, three numbered points list the criteria: 1. Fits in the e/MTIC application areas: Sleep Medicine | Perinatal Medicine | Cardiovascular Medicine; 2. Involves e/MTIC partners: Catharina Hospital, Máxima MC, Kempenhaeghe, TU/e and Philips; 3. ... or engages a start-up as industrial partner. A section titled "Fast track to clinical innovation" includes the text: "Want to embed your research in a multidisciplinary environment? Enjoy clinical, academic and industrial partnerships for a fast track to clinical innovation? -> Scan the code!". To the right, under "e/MTIC Benefits!", it lists support from the organization with subject matter Daily Management Teams and Process Teams on: Regulatory affairs, Funding, Education, Communication, Health Data Portal, HDP (Benefit use), FREE meeting space at the TU/e, and Use of contract Framework.

Fast track to clinical innovation!

Do you want to embed your research in a multidisciplinary environment? Enjoy a clinical, academic and industrial partnership for a fast track to clinical innovation? How to Apply? Check-out the new e/MTIC project flyer 2020 for the requirements and all benefits of an e/MTIC project.

[Read more](#)

Send your news for the e/MTIC Website, Newsletter & LinkedIn

Join us on [LinkedIn!](#)

Make your project results visible! Connect with e/MTIC and share your news.



The LinkedIn banner shows the e/MTIC logo and the text: "Eindhoven MedTech Innovation Center (e/MTIC...)", "Hospital & Health Care · Eindhoven · 6 followers", and "Improving value based healthcare by creating an ecosystem that enables a fast track to high-tech health innovations". There are buttons for "+ Follow" and "Visit website" with an external link icon, and a small edit icon.

For the e/MTIC newsletter, website and LinkedIn publications, just send your update (link) in an email to Chantal: c.schoen@tue.nl

If you don't want to receive the e/MTIC newsletter unsubscribe by sending us an email via this [link](#)

Learn more about e/MTIC? Contact us at info@emtic.nl or +31 (0)40 247 3288 www.emtic.nl

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a fast track to clinical innovation