



Dear Colleagues,

We are happy to share with you the fifth issue of our newsletter, featuring news from the ISE, the ISE Young Community and their members, upcoming events, recent papers about electrocardiography and an interview with one of our council members.

We hope you enjoy this issue. Also, we would most welcome your contributions and suggestions for future issues.


The ISE Communication Team

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Dr Levent Pay (Social Media Editorial Team)
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News from ISE

- **Recent webinar on 12-Lead ECGs of Permanent Pacemakers and Implantable Cardioverter-Defibrillators**

The most recent ISE meeting was held on 20th October with as topic the evaluation of the 12-lead ECGs of Permanent Pacemakers and Implantable Cardioverter-Defibrillators. You will soon be able to access the video of the webinar on Youtube.



12-Lead ECGs of Permanent Pacemakers and Implantable Cardioverter-Defibrillators



20th October 2022

7 am CT	8 am EDT
1 pm UK	2 pm CET
3 pm Turkey	9 pm Japan

Duration: 1 hour
15 minutes and 5 minutes of discussion for each speaker

Discussant
Prof. Adrian Baranchuk (Queen's University, Canada)

Discussant
Prof. Henry Huang (Rush University Medical Center, USA)

Discussant
Prof. Erdi Babayiğit (Kulu State Hospital, Turkey)

Chair: Prof. Yochai Birnbaum (Baylor College of Medicine, USA)

www.electrocardiology.org

- **2023 International Congress on Electrocardiology is Approaching!**

The 2023 International Congress of Electrocardiology will be held in Sapporo, Japan from July 6 to July 8, 2023. You can find information about the congress, which will be organized by Professor Takanori Ikeda from Tokyo Toho University and will be held simultaneously with the 69th meeting of the Japanese Heart Rhythm Society (JHRS 2023), from the link below.

<https://www.ace-enterprise.net/jhrs2023/en/ice2023/>

**The International Congress on Electrocardiology 2023
(ICE 2023)**
by the International Society for Holter and Noninvasive Electrocardiology (ISHNE) and the International Society of Electrocardiology (ISE)

ICE 2023 by ISHNE/ISE JAPAN ISHNE ISE

as satellite (International sessions) of
the 69th Annual Meeting of the Japanese Heart Rhythm Society (JHRS)
that will be held from July 6th to 9th, 2023

Congress Presidents:
Takanori IKEDA, MD, PhD
Professor, Toho University, Tokyo
Katsushige ONO, MD, PhD
Professor, Oita University, Oita

Date From July 6th (Thur. AM) to 8th (Sat. AM), 2023

Homepage <https://www.ace-enterprise.net/jhrs2023/en/ice2023/>

Venue Sapporo Convention Center
Sapporo, Hokkaido, JAPAN

Congress President  **Takanori IKEDA, MD, PhD**
Professor, Toho University, Tokyo, Japan
President of the ISHNE
Council Member of the ISE



Recent Publications

1. **Title:** Fusion Pacing In Patients With Right Bundle Branch Block Who Undergo Cardiac Resynchronization Therapy

Journal: Journal of Electrocardiology

Authors: Al Turki, A., Lima, P. Y., Vidal, A., Toscani, B., Diaz, S., Garcia, D., Montemezzo, M., Al-Dossari, A., Bernier, M. L., Hadjis, T., Joza, J., & Essebag, V.

Contributor: Dr Levent Pay (Turkey)

Full text link: <https://pubmed.ncbi.nlm.nih.gov/33348136/>

Summary

Al Turki et al. aimed to determine whether patients with RBBB respond to CRT with biventricular fusion pacing. Consecutive patients with RBBB who were implanted with a CRT capable of biventricular fusion pacing using SyncAV programming were evaluated and compared with a past cohort of patients with CRT with RBBB. In conclusion, the study showed that CRT programmed to allow biventricular fusion pacing significantly improved electrical synchrony and LVEF in patients with RBBB.

2. **Title:** Prognostic Value Of Goldberger's Electrocardiographic Criteria For Left Ventricular Dysfunction

Journal: Journal of Electrocardiology

Authors: Xiang, K. R., Soliman, E. Z., Bhave, P. D., & Singleton, M. J.

Contributor: Dr Levent Pay (Turkey)

Full text link: <https://pubmed.ncbi.nlm.nih.gov/33278775/>

Summary

Xiang et al. investigated the relationship between the Goldberger ECG-LVD triad and all-cause mortality and cardiovascular mortality in the general population. This study included 8,426 participants from the Third National Health and Nutrition Examination Survey. During a median follow-up of 13.8 years, 3184 deaths occurred, of which 1405 were due to cardiovascular causes. In conclusion, the Goldberger ECG-LVD triad may provide a prognostic value for left ventricular dysfunction.

Interview with Professor Takanori Ikeda

On behalf of the International Society of Electrocardiology Young Community (ISE-YC) it is our honor to have the opportunity to interview Prof Takanori Ikeda, from the Toho University Faculty of Medicine.

Professor Ikeda is President-Elect of the International Society for Holter and Noninvasive Electrocardiology (ISHNE), Trustee of the International Society for Electrocardiology (ISE), Trustee of the Japanese Circulation Society (JCS), Trustee of the Japanese Heart Rhythm Society (JHRS), Vice President of the International Society Cardiovascular Pharmacotherapy in Japan (ISCP Japan), and Trustee of the Cardiovascular Stroke Society of Japan (CVSS Japan). He has published numerous peer-reviewed articles. He has edited some textbooks related to cardiovascular diseases and also serves on the editorial board in several academic journals. He has received multiple awards in the field of cardiac electrophysiology.



Q: What do you think will be the role of artificial intelligence on ECG in the near future?

A: I believe that AI will play a leading role in ECG diagnosis in the near future. Diagnosis accuracy is much higher than current automatic diagnosis, and I think that general physicians who are not good at interpreting electrocardiograms will find it helpful in clinical practice. However, that time will not be two or three years from now, but more than 10 years from now. The reason for this is that electrocardiogram diagnosis using AI is still in the experimental stage, and it is necessary to verify its usefulness in a large-scale population.

Q: Do you think smart watches will replace Holter or loop recorders in the near future?

A: My answer is “No”. The reason is that smart watches and Holter/Loop recorders have different uses. Currently, atrial fibrillation is the only arrhythmia that can be diagnosed from an electrocardiogram recorded by a smart watch, and there are limitations in diagnosing ventricular and complex arrhythmias. Even for atrial fibrillation, the diagnostic accuracy is low, so it is only approved as a means of suspicion, not as a device for diagnosis in my country (Japan). In recent years, the progress of Holter ECG has been remarkable, and waterproof devices that can measure for 4 weeks are also on sale. I believe that it is important to use smart watches and Holter/loop recorders properly.

Q: We are very excited that the ICE congress will be held face-to-face again. What will await us in this great congress?

A: The International Congress on Electrocardiology (ICE) 2023 by ISHNE/ISE will be held on July 6th - 9th, 2023 in Sapporo, Japan as satellite of Japanese Heart Rhythm Society (JHRS). I was appointed congress president of JHRS 2023, and will also serve as congress president of ICE 2023. This is the third time I have held an ICE congress (including ISHNE). ICE/JHRS 2023 is completely in-person congresses, there are no pre-recording or online presentations. Therefore, we can do face-to-face discussion among members. Call for abstracts will start from December 2022. I would appreciate it if you could apply (<https://www.ace-enterprise.net/jhrs2023/en/ice2023/>). Sapporo is a safe and wonderful city!

Q: Will we be able to see joint sessions at the ICE congress to be held in 2023?

A: Generally, 4,000-5,000 members will attend JHRS meeting. We will use two rooms for ICE 2023 congress as international sessions in JHRS 2023. Some joint sessions with ISHNE/ISE and many interesting topics related to ECG and noninvasive assessment will be planned in the congress. It will become very attractive for the members.

Q: What is the most important thing you would recommend to your younger colleagues at the beginning of their cardiology career?

A: I always tell young fellows that it's important to be scientifically inquisitive. Since the management of cardiovascular disease often involves invasive treatments, some fellows tend to prioritize technical acquisition only. However, I tell them to study hard first and discover the joy of research. In addition, I always talk about becoming a specialist who can treat from the patient's point of view. Many thanks.

We thank Prof Ikanori for his valuable time.

See you in the next newsletter!