

Modern Pulse Diagnosis: Mobile ECG Based



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Syllabus

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Day 1:

- Traditional East Asian Medicine pulse diagnosis
- Modern technology in pulse diagnosis
- Basic principles of an Electrocardiogram (ECG)
- Red flags that require a referral to a Medical Doctor (MD)
- ICD11 development and the standardization of terminology
- Clinical TCM Pulse Differentiation

Day 2:

- East-West Mobile ECG Based Pulse Interpretation
- Mobile ECG Based Pulse Case Studies

Acknowledgement

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Student agrees:

- A diagnosis should never be made based on a single diagnostic test, be it pulse palpation, blood biochemistry, tongue observation, or MRI. Any test **MUST** always be correlated with the clinical presentation and confirmed by multiple examinations. If a single test does not correlate with other findings, the correctness of the test is doubtful, and the test should be repeated.
- This class is intended for individuals familiar with the theory and clinical practice of East Asian medicine. This educational material is based on the clinical expertise of the author. This material aims to offer a modern method of recognizing and registering TCM pulse readings to add to the clinical findings. Practitioners must draw conclusions based on their knowledge, experience, clinical observations, and scope of practice as outlined by law.
- Patient referrals are recommended whenever patient symptoms or pathology extend beyond the individual practitioners' reach.
- The information in this presentation is not intended to diagnose or treat any western medical conditions. ECG interpretation described in this book is not advised as a substitute for western medical care of any disease, specifically cardiovascular concerns.

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Patient Consent for Use of Information for Educational Purposes

I consent for medical photographs to be made of me or my child (or person for whom I am legal consent guardian). These are photographs of my tongue without any other facial features that maybe recognizable. I consent to use of my mobile ECG images.

I understand that the information in my medical record, may be used for purposes of medical teaching, or for publication in medical textbooks or journals as I designated below.

I understand that my personal and/or health information that may identify me will be strictly protected according to HIPPA standards.

I understand that this information may be seen by members of general public, in addition to students and researchers that regularly use this publications in their professional education.

By consenting I understand that I will not receive payment from any party.

Refusal to consent for use of my photographs for educational purposes will in no way affect the care I will receive. If I have any questions or wish to withdraw my consent I may contact Galina V. Roofener at GR@AsianTherapies.org

By signing this form below I confirm that this consent has been explained to me in terms which I understand.

- I consent to my health information, pictures and EKG to be used for teaching purposes, in medical publications, including medical journals, textbooks and electronic publications and to be used in my medical records.

_____(Signature)

- I consent to my health information, pictures and ECG to be used for teaching purposes AND to be used for my medical records but NOT for medical publications:

_____(Signature)

- I consent to my health information, pictures and ECG to be used in my medical records ONLY:

_____(Signature)

Patients NAME: _____ Date: _____

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Patient consult

- **No Red Flags ECG Patient consult:** Dear Ms. Jane Doe please note I am not a cardiologist, I do NOT read an ECG, all I do just interpret mobile cardiograph in terms of traditional medicine pulse reading techniques, shall you have any questions or concerns about your heart heath or ECG please consult your PCP and/or cardiologist.
- **RED FLAG ECG Patients consult:** Dear Ms. Jane Doe please note I am not a cardiologist, I do NOT read an ECG, all I do just interpret mobile cardiograph in terms of traditional medicine pulse reading techniques. Your ECG graph has some elements that are beyond my scope of practice, please consult your PCP and/or cardiologist (ASAP).

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ECG changes influenced by different factors

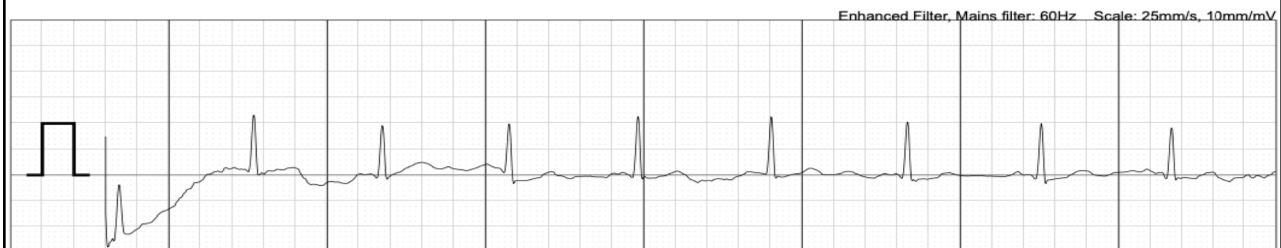


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Pulse: Moderate, slightly uneven, rootless, regular, string-like.

- **Western interpretations:** providing no cardiac complaints are present:
 - Reduced T wave – may mean hypomagnesaemia and/or hypokalemia.
- **TCM Interpretations:**
 - Rate – is 74 beats per minutes that is within range of normal 60-80 therefore can be described as moderate.
 - Force – the vertical strike of R wave is within range of normal but not on every beat, as well the base line waves randomly therefore it can be described as slightly uneven.
 - Level – S wave is not extending downward therefore this pulse can be described as rootless.
 - Rhythm – beats are positioned at even distance from each other therefore pulse is regular.
 - Shape – since the only R wave is prominent and palpable we can describe pulse as string-like.

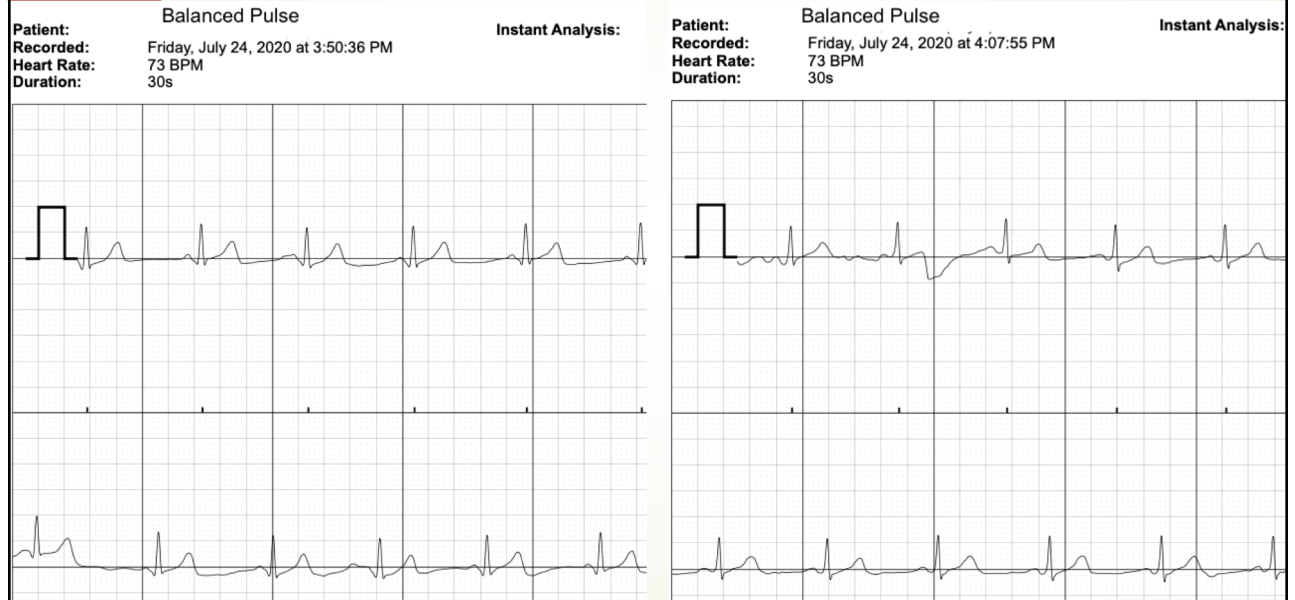
Heart Rate: 74 bpm Duration: 30s



Balanced Pulse changes with Acupuncture Tx

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► Pulse: Moderate, average, middle, regular, shape-unremarkable

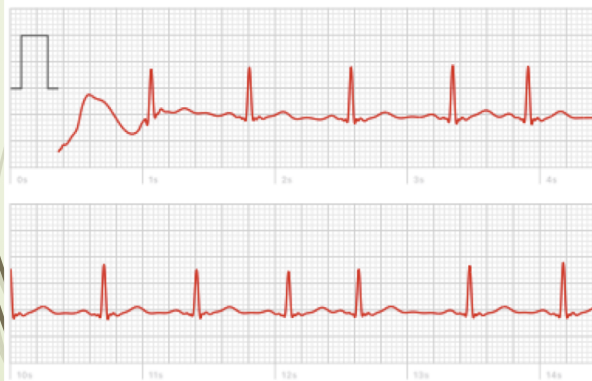


Anger & Panic attack

Sinus Rhythm — ❤ 85 BPM Average

This ECG does not show signs of atrial fibrillation.

During

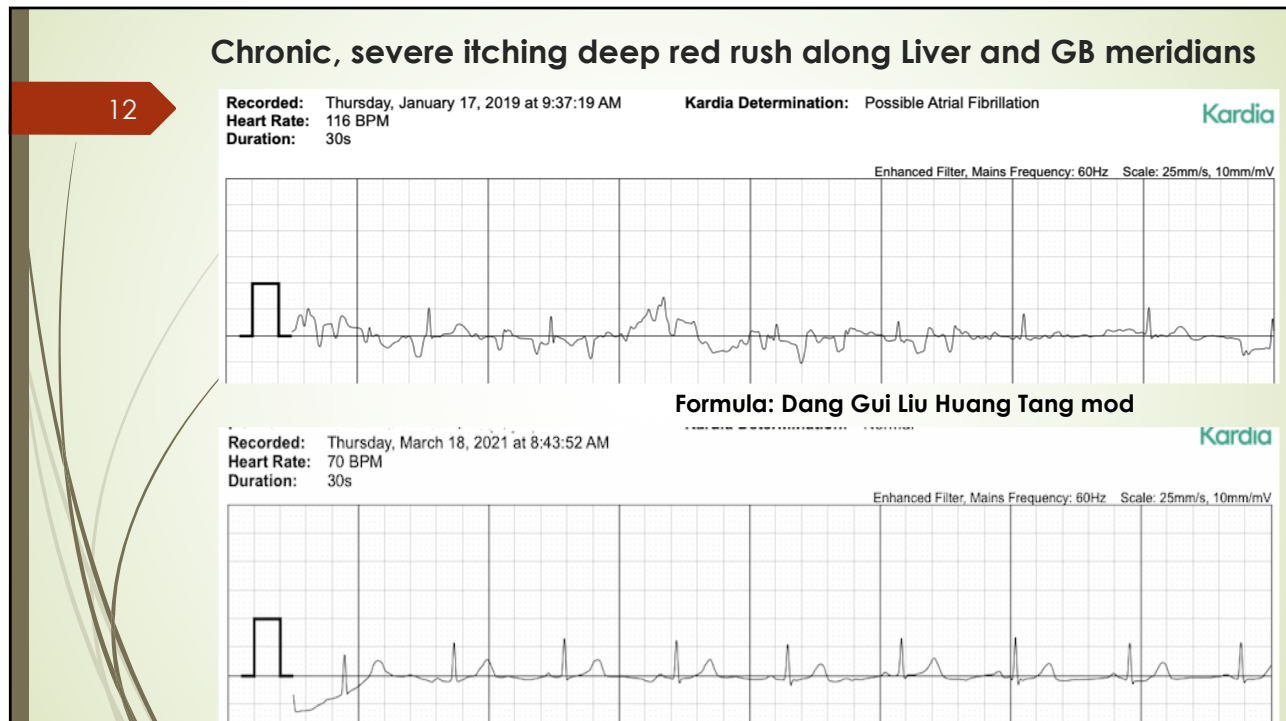
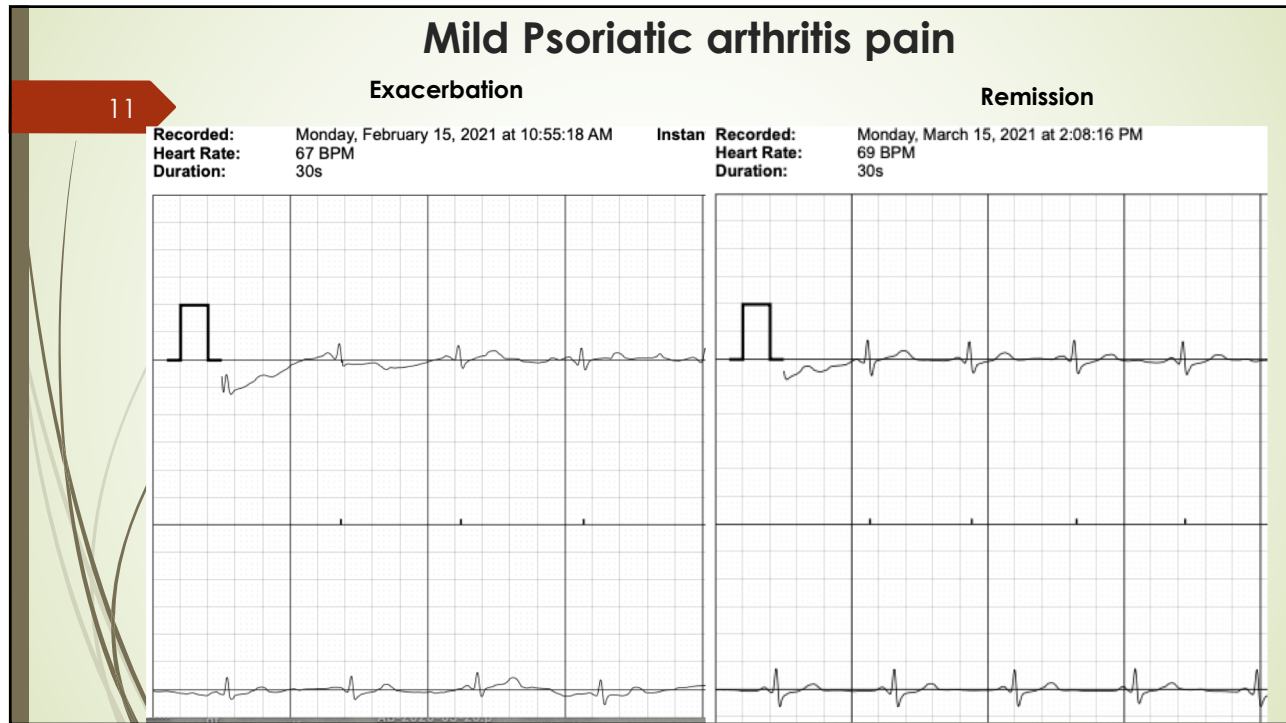


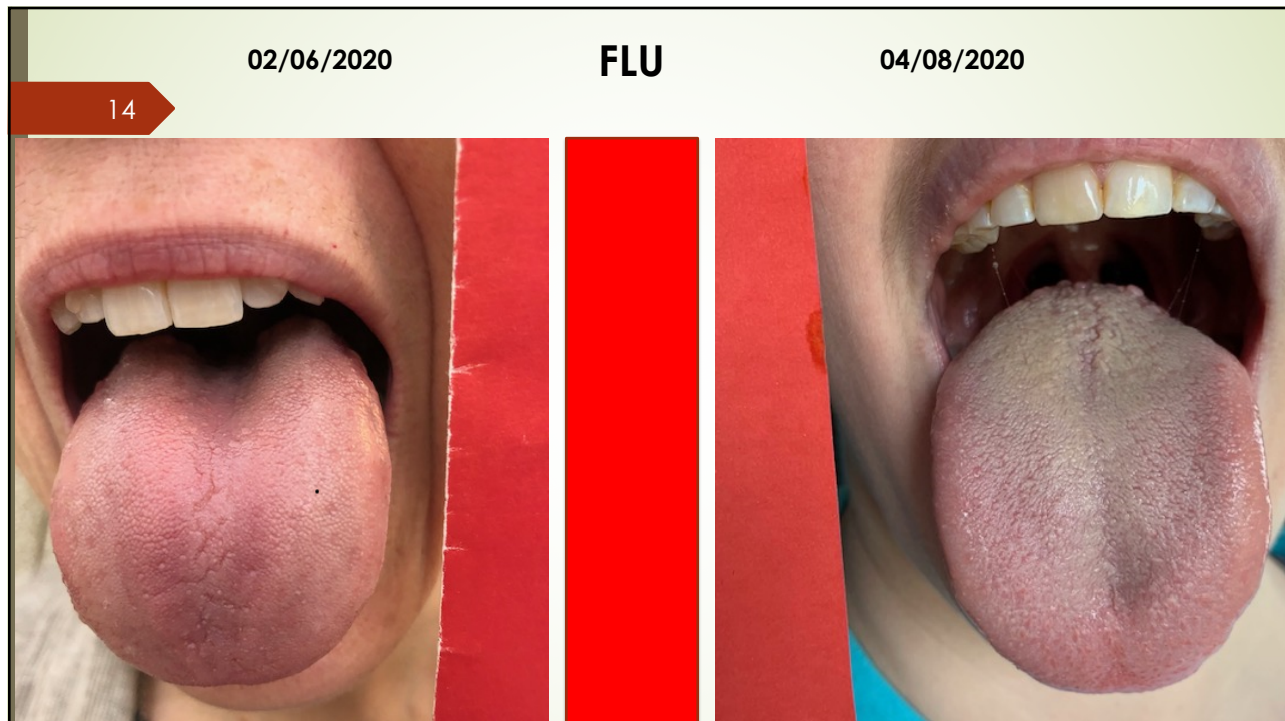
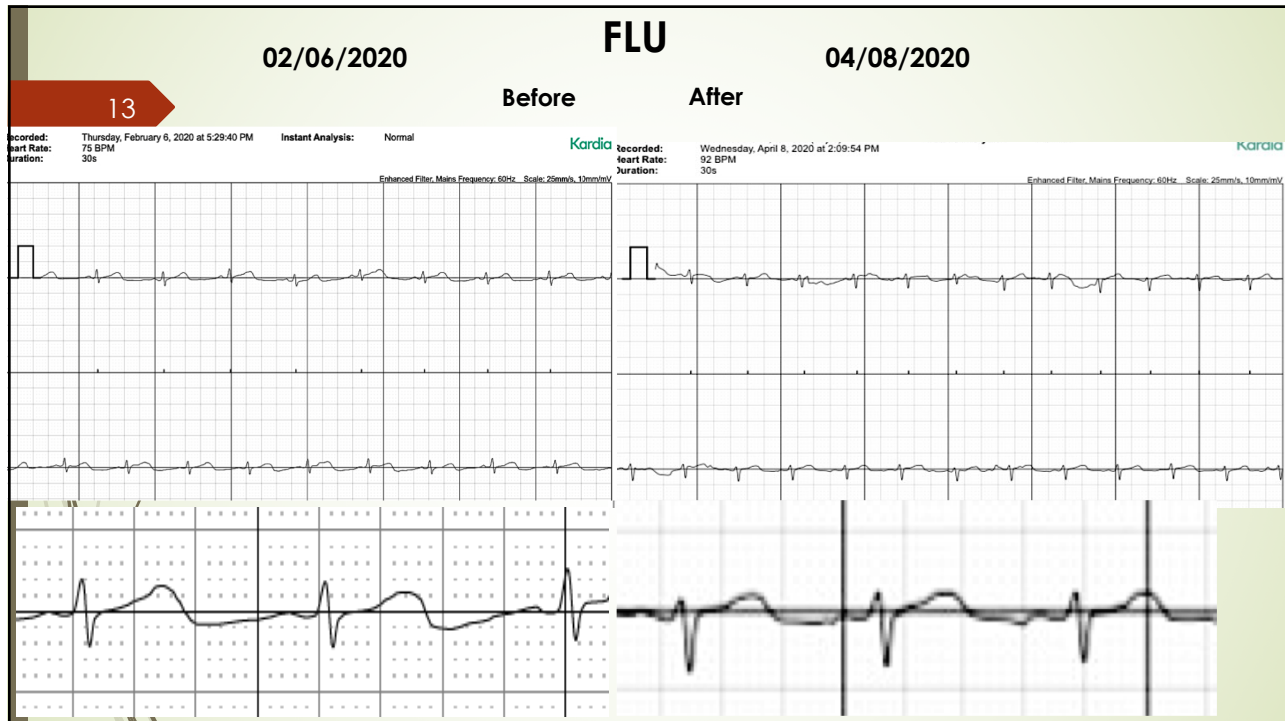
Sinus Rhythm — ❤ 67 BPM Average

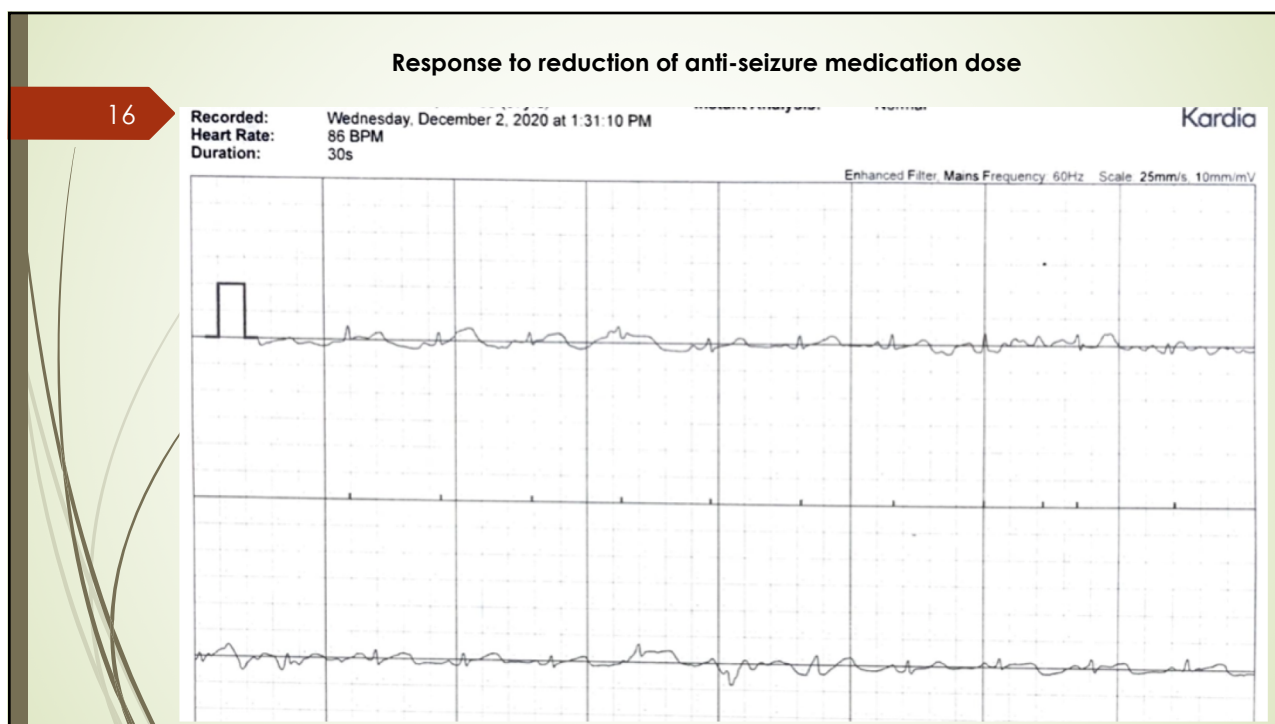
This ECG does not show signs of atrial fibrillation.

An hour After



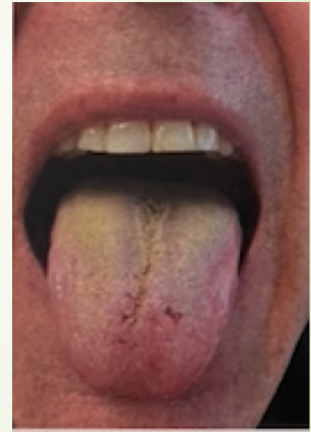
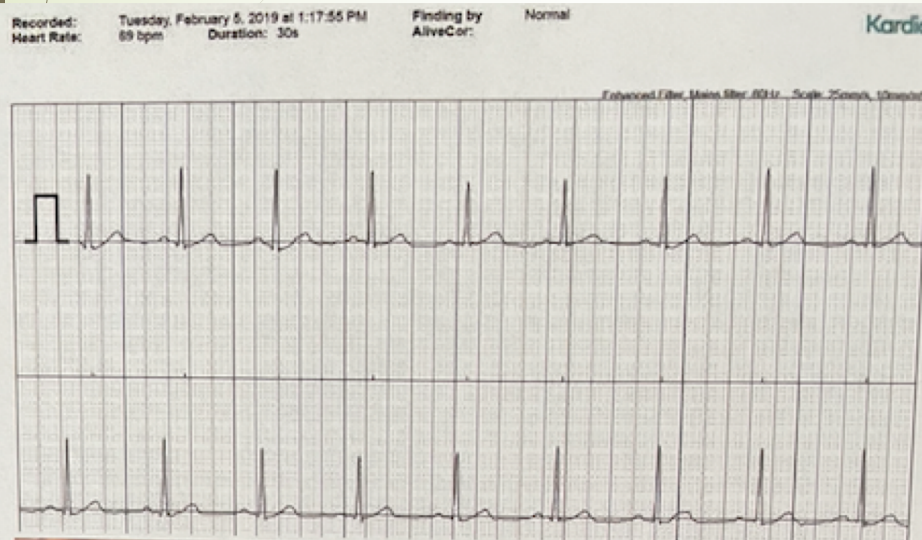






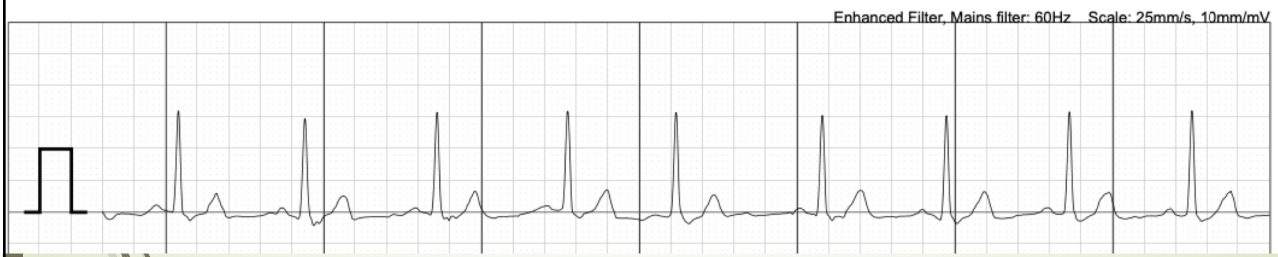
Metastatic Pancreatic cancer treated with Irinotecan

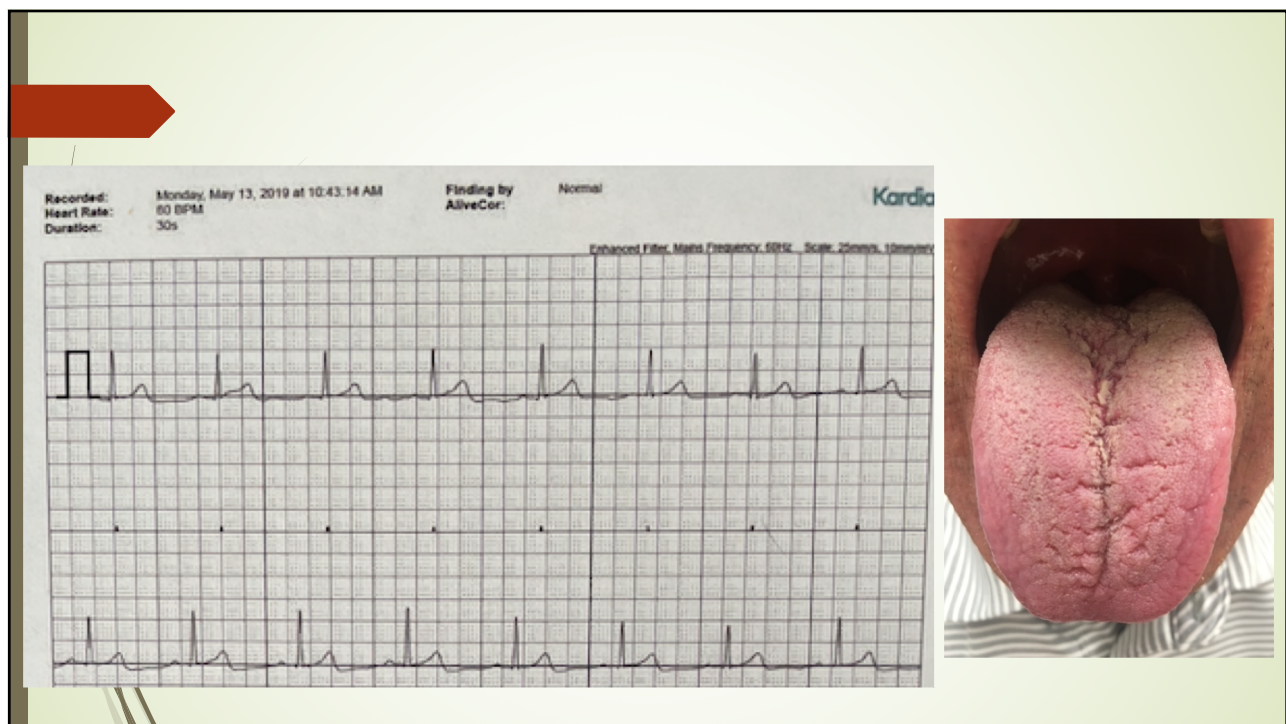
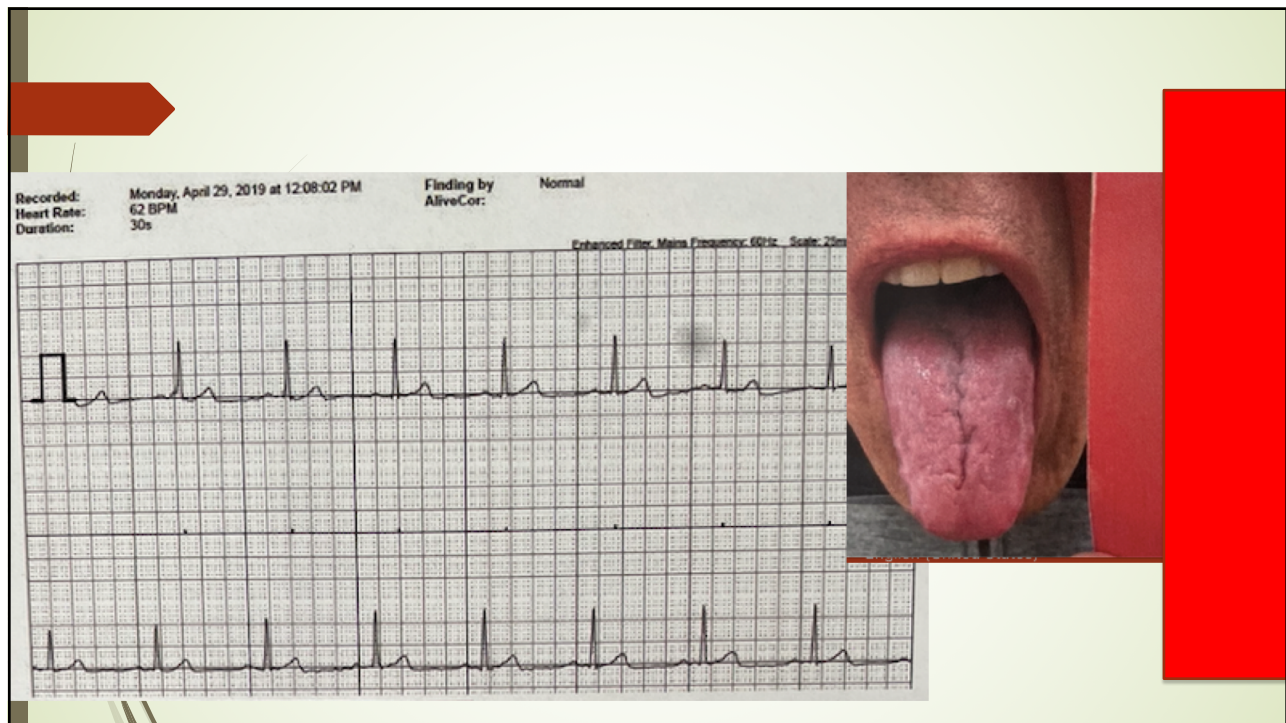
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February 7

Heart Rate: 75 bpm
Duration: 30s







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Thank you!

- I am happy to answer your questions
- Please collect Interesting cases
- Let's do research!

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