Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation | October 26,2022

Scenario

Goals and Expectations

Josh is a 30 year-old, male patient. He is generally active and healthy. However recently feeling unwell for a few days and would like to see a doctor.

- He'd like an easy way to schedule an appointment without spending time figuring out where to go.
- He is a proactive person and would like to know what he should be doing throughout his treatment.
- · Would like to make sure he maintains his standard of wellness.

| Individual feels unwell | Schedules Appointment | Visit with Clinician | At-Home Care | Follow-Up Appointment |
|---|--|--|--|---|
| 1. Goes to Google to research similar problems 2. Researches doctors who address a multitude of potential issues they found Conncerned and scared | 3. Looks up doctor office online to find contact. 4. Skims through multitudes of physicians on-line, but unsure who they should be seeing. 5. Contacts generic number and is transferred multiple times before connecting with someone. 6. ContaEts previoU3 physicians offices and tries to collect data | 7. Travels to clinic 8. Checks in to clinic 9. Asked to provide medical recordsm proof of insurance, and co-pay 10. Fills out forms with data just provided. II. Meets with physician and receives treatment options. | 13. Reviews instructions and takes medications 14. Researches what he should be doing and feeling between appointments. 15. Feels overwhelmed with eveything and tries to contact physician's office to ask questions. | 16. Takes off work and travels to clinic 17. CheEks in to clinic 18. Asked to provide insurance and co-pay 19. Meets with physiEian and receives direction to keep on doing what they are doing. Happy on right path, |
| | Confused and /'rustrared | 12. Picks up medications at pharmacy. Happy to the life from the life f | and c/ncerrain | but frustrated a6out spending time off work " " |
| Opportunities | Opportunities | Opportunities | Opportunities | Opportunities |

- Easy to access care site with defined people to connect with.
- Multiple options to schedule an appointment.
- Easy to access medical record request process
- Streamlined check-in and payment process that can be addressed prior to or after visit
- Easy to access resources with what to expect and when to connect with a clinician
- MuJtiple care options available to minimize need to travel and take off work

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