SALEM ALGHAMDI, MD, EM, CI Fellow
E-PORTFOLIO

Memberships/professional relationships:

- ❖ AMIA
- ❖ AMIA Clinical Informatics Fellows (ACIF)
- ❖ HL7 Reducing Clinical Burden Group
- ❖ Epic's Chart Search Brain Trust

Committees/professional groups:

- ❖ Decision Support Committee
- ❖ Best Practice Advisory Subcommittee
- ❖ Epic ASAP Committee
- ❖ QUEST QI Group
- ❖ RQUEST Quality Improvement Committee.
- ❖ Member of the Emergency Operations Command team during COVID-19 Omicron surge
- ❖ ACH's throughput steering committee

Presentations:

- ❖ Journal Clubs
  - ➢ Sept 21st,2021: Formal Representation of Patient's Care Context Data, AMIA Journal
  - ➢ Oct 8th, 2021: EHR and Physician Fatigue, JAMA Journal
  - ➢ Jan 6th, 2022:Journal Club - Patient Context Data
  - ➢ Feb 2nd, 2022 (Noise). Inconsistent decision making.
  - ➢ Mar 1st, 2022 Digital Phenotyping and sensitive health data
  - ➢ April 6th,2022 Burnout with EHR after hours

- ❖ DBMI Seminar, Oct, 2021:
  - ➢ Standards in Clinical Practice of Medicine
- ❖ Emerging Trends, Nov, 2021:
  - ➢ Pinnacle of Redundancy, systems in-efficiencies
  - ➢ Inter-Active Telehealth
  - ➢ POC, an inevitable future.
- ❖ Health Quality Course final presentation, Dec, 2021
  - ➢ HIMMS Davis Award: Providing Telehealth Visits to Underserved Communities. A Case Study
- ❖ Data Visualization Course. Critical Analysis of Graphs. Nov,2021
  - ➢ Nitrogen-fixing populations of Planctomycetes and Proteobacteria are abundant in surface ocean metagenomes

Courses:

- Health quality course, UAMS fall 2021
- Data visualization course, UAMS fall 2021
- Citi training
- Epic power user course, June 2021
- 10x10 ohsu amia course, April-Jul 2021 (16 weeks)
- Epic physician builder course (advance & analytics)
- Decision Support Course, UAMS Spring 2022
- Database Systems and Data Warehousing Fall 2022
- Teaching, Learning, & Instructional Practices Fall 2022

Experience:

- Project/Operational Experiences:

  - ➢ Help Implementing ICU liberation orderset
  - ➢ Help with Sliding Scale Insulin orderset renewal and optimization
  - ➢ Software optimization, workflow mapping ahead of iPad roll out to admitted patients
  - ➢ Assistance with streamlining efficient reporting/requesting platform for new MRI ordering decision workflow
  - ➢ Modify EKG indications to boost ED efficiency.
  - ➢ Assisting with (Donation After Cardiac Death (DCD) Epic Workflow)
  - ➢ Help with High Dose Insulin Therapy and Lipid Rescue "fat emulsion" Order Set
  - ➢ Update cardiology tab to have all relevant cardiology studies, TEE, stress echos, neonatal echos, external TTE result, etc"
  - ➢ Helped build system wide protocol/method of ordering short acting opioid, long acting to follow.

- Submission of Monthly AMIA-ITE questions during first year of fellowship

Projects/Operations:

- ED Telemed Documentation
- Pulsara Stroke/STEMI
- ED Video Monitoring
- PERT team (Project Manager)

Sept,2022

- Single-cell type transcriptomics map of human tissues

❖ Fellows Day:
  ➢ May19, 2022: Fellows Day. Research proposal RESCUS.N (NOVEL TECHINIQUE TO APPROACH TEAM RESUSCIATION).

❖ UAMS HPMT 5212 class
  ➢ September 1st,2022, guest speaker, (Healthcare Information System for Administrators)

- Developed Asynchronous Voting for decision support requests
- Assisting in the development of smedical toxicology as a new service in the ED

Safety/Quality Improvement:

- Health Quality DBMI Course, Fall, 2021
- Informatics and Health Quality Improvement Rotation in UAMS. Aug,2021
- Membership in QUEST quality improvement Committee.
- RQUEST member
- PERT Team initiative
- (Donation After Cardiac Death (DCD) Epic Workflow)
- Joined a group to change post arrest TTM to normothermia instead of hypothermia.
- Update/Optimize STEMI orderset
- Help Cardiology building Smartphrases/ SmartText for the advanced heart failure team or VAD team "RHC, LHC, Cardiac MRI, Cardiopulmonary exercise testing "CPET", etc"
- Standardization of ENT's post free flap orders
- Project manager and physician builder for a system wide initiative to standardize DVT Prophylaxis across all service lines.
- Primary stakeholder and sponsor: System wide initiative to standardize administration of oral contrast in CT imaging.
- Primary stakeholder and sponsor: UAMS On-Call schedule. from web-based to an Epic integrated one.

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