Genomic Medicine Guidance App: Point-of-Care Support for Clinicians

Adult Cardiovascular Genetics: Gaps

- There are more adults with genetically triggered diseases because people with congenital conditions are living longer
- There are fewer clinical resources for adults with genetic conditions
- Most adult patients are seen by providers with no expertise or experience in genetics
- Adult non-specialist providers tend to have less training in and exposure to genetics

Genomic Medicine Guidance App: Introduction

- Funded supplement to the Clinical Translational Science Award at UTHealth Houston
- NCATS and NHGBRI (Teri Manolio)
- RFA to increase use of genomic information in clinical practice
- 6 sites selected
- Point of care app intended for clinicians
- Demo utilizes curated variants in 8 HTAD genes

Genomic Medicine Guidance App: Team

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Genomic Medicine Guidance App: Workflow

*Current: only HTAD genes

Database: clinical phenotype & variant

Genomic Medicine Guidance App: Utility

Availability	Point of care decision making
Ease of Use	Reduce barriers to use of genomic data in practice
Teaching Tool	Familiarize clinicians with genetic concepts
Collaborative	Collaborate on recurrent variants
Informative	Resolve VUSs
Improve Care	Develop new clinical guidelines

Genomic Medicine Guidance App: Links

https://go.uth.edu/CVGenomics

Genomic Medicine Guidance App: Opportunities

- IMPROVED VARIANT CURATION
- RESOURCE TO RESOLVE VUS
- EXPERTISE TO EXPAND CLINICAL AND VARIANT CONTENT
- DEVELOP NEW GENE-BASED GUIDELINES
- IMPROVEMENTS TO THE APP

Adult Cardiovascular Genomics: Acknowledgements

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Questions? Comments?