The Maine Cancer Genomics Initiative (MCGI): Launching a Community Genomic Medicine Program in Community Practice in Maine

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The Maine Cancer Genomics Initiative (MCGI): Launching Practice in Maine

Key components of the MCGI include an

- Sophisticated NGS-based genomic tests interrogating a large number of genetic alterations in tumor tissue have recently been developed but many barriers exist in the integration of these methodologies into community practice.
- The MCGI, a partnership between JAX, the Maine Medical Center Research Institute (MMCRI) and the largely rural Maine oncology community, was established to facilitate the integration of novel genomic technologies into community oncology practice.
- Key components of the MCGI include an education program, genomic tumor board support and dedicated operational support from the MCGI project office.

What will the Maine Cancer Genomics Initiative provide?

- Provide 1800 cancer patients with access to genomic tests
- Establish a collaborative Maine-wide cancer genomics research network
- Provide educational programs on cancer genomics and precision medicine
- Design a study protocol that measures the impact of the initiative and provides basis for future research

Introduction

- Maine Cancer Genomics Initiative Network
- Clinical Steering Committee
- MCGI Timeline
- Genomic Tumor Boards
- Genomic Tumor Board Participation

Education Program

- CME courses
- Genomic Tumor Boards
- Case studies
- Resources
- Point of care tools

Study Protocol

- Data Collection
  - Clinicians
    - Attitudes
    - Knowledge
    - Experience
  - Genomic Data
  - Patients
    - Attitudes
    - Perceptions
    - Clinical data

Enrollment

- JAX Tests

Clinician Participation by Practice (enrolled patients # above graph bars)

Conclusions

- Onboarding and enrollment of sites and clinicians into the study has proceeded swiftly, indicating the potential for additional translational outreach opportunities in other healthcare systems and geographic areas.
- The Maine Cancer Genomics Initiative is an opportunity for both translational implementation and research.
- Research opportunities include outcomes, health communication and care utilization research as well as identifying novel patterns of genomic data in clinical phenotypes.
- We see a potential for expanding the MCGI's translational outreach model to other healthcare systems and geographic areas.