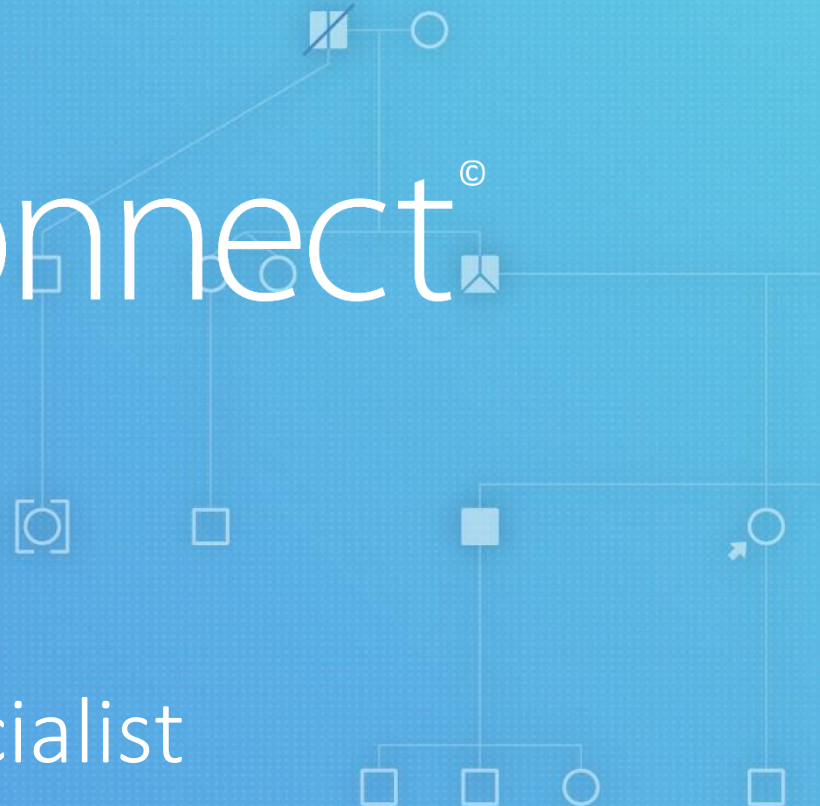




# CancerGeneConnect<sup>©</sup>

Megan Frone, MS, CGC – Genetics Specialist



# CancerGene Connect (CGC)



- Patient-facing questionnaire – Pre-appointment questionnaire intended for use in cancer genetics clinic
- Web-based platform - Patients can complete questionnaire on mobile phone, tablet, computer, or complete a paper form
- Provider has personal health information, family history health information, pedigree, and cancer risk assessment models prior to appointment
  - BRCAPro, MMRPro, PancPro, MelaPro, Tyrer-Cuzick (IBIS), Gail, Claus
  - Less time *assessing* risk and more time *addressing* risk
- Database
- Publication in *Journal of Genetic Counseling* 2014 – Up to 46% time savings for the provider

# Breast Health Questionnaire (BHQ)

- Modified questionnaire with questions specific to a Breast SurgOnc practice
  - BIRADS, Oncotype DX
  - Same pedigree and risk assessment functionality as CGC
- Transfer information between CGC and BHQ tools to facilitate referrals/walk-ins



# Navigator

- Designed for front end use in imaging centers, breast clinics, Gynecology offices, or Primary care practices
- Utilizes Cecilia Bellcross' Breast Referral Screening Tool (B-RST™) to identify patients at risk for Hereditary Breast and Ovarian Cancer Syndrome.
  - Patients complete tool on tablet in waiting room, on paper form, or asked and entered by Medical Assistant/Mammo tech/Provider
- Positive screen patients flagged and can be contacted for scheduling in genetics clinic.
  - Database also has structured data on barriers to care
- Publication in *EBioMedicine* 2015 – 5% of a mammography population (N=92,127) screened positive and navigated with tool
- Tool also tracks IHC and MSI for institutions with pre-existing protocols



# Development

- Originally developed at UT Southwestern Medical Center
  - >15,000 patients through CGC and/or Navigator
  - 2013 ACCC Innovator Award
- Exclusively licensed to OMMDOM Inc. a software and health IT development company
- Expansion of use by many practitioner specialties in a variety of clinical settings
- Personal and family health history is completely customizable and can be adapted for clinical uses outside of cancer.
- The current platform uses HL7 v2 for data transfer and was built to be easily integrated with other protocols as needed
- Platform is offered on a license basis



# Publication References

- Pritzlaff, M., et al. An Internal Performance Assessment of CancerGene Connect: An Electronic Tool to Streamline and Improve the Genetic Counseling Process. *J Genet Counsel* (2014) 23:1034-1044
- Robinson, L., et al. Prediction of Cancer Prevention: From Mammogram Screening to Identification of BRCA1/2 Mutation Carriers in Underserved Populations. *EbioMedicine* (2015) 2(11):1827-1833



# Contact:

Richard Burghardt, CEO  
richard@cagene.com



Bentley Davis, CTO  
bentley@cagene.com

Megan Frone, MS, CGC  
megan@cagene.com

Shelley, Mary - 03012016F  
OBGYN

Have you ever had a period?  
 Yes

Your age when periods started

Shelley, Mary - 03012016F  
Risk Assessment

CALCULATE RISKS

Legend for Risk Assessment:

- BICAPRO - Breast
- CLAUS - Breast
- GAIL - Breast
- MELAPRO - Breast
- MMPPRO - Breast
- PRINPRO - Breast
- TYRER-CUSICK - Breast
- Stomach Cancer
- Esophageal Carcinoma
- Breast Cancer
- Melanoma

Hugo, Victor - 03012016M  
Pedigree

Victor Hugo (03012016M) Mar 10, 1990  
Consanguinity: no  
Spanish

Legend for Pedigree:

- 91 Granddad VICT.
- 72 Grandma Maria
- 68 Aunt Sophia
- 69 Aunt Maria
- 62 Dad
- 55 Mom
- 61 Esophageal Carcinoma
- 63 Breast Cancer