

May 20, 2017



## Team Event Resource Guide

The following contains a brief list of topics which will be tested during the team event. More resources will continue to be added on Sakai.

### General Cancer Knowledge

- National Cancer Institute at the National Institutes of Health
  - <https://www.cancer.gov/>
  - Due to the extensive information regarding different cancers present on this resource, topics listed below should be focused on, but this list is not exhaustive.
    - Causes
    - Diagnosis
    - Risk Factors
    - Screening
    - Staging
    - Statistics
    - Symptoms
    - Treatment Options
    - Bone Cancer
    - Brain Cancer
    - Breast Cancer
    - Leukemia
    - Lung Cancer
    - Lymphomas
    - Pancreatic Cancer
    - Skin Cancers

### Careers Relating to Oncology

- Biostatistician
- Clinical Psychologist
- Clinical Research Coordinator
- Dietitian/Nutritionist
- Epidemiologist
- Genetic Counselor
- Medical Writer
- Nurse Practitioner
- Oncologist
- Pathologist
- Pharmacist
- Phlebotomist
- Plastic Surgeon
- Radiation Oncologist
- Registered Nurse
- Social Worker
- Surgeon
- Translational Researcher

For information regarding career profiles, please go to <http://www.decodingcancer.org/career-spotlight>.

### Cancer Innovations

Become familiar with innovations that lead to cancer understanding, research and development. From 1953 DNA is a double helix to 2014 HPV vaccination. Resources will be posted on Sakai regarding particular innovations and researchers.



## Cancer Genetics

Be able to translate and transcribe known founder mutations on BRCA gene sequence. Practice sequences founded on Sakai

## Diagnostic Tools

- Mammogram
- MRI
- Ultrasound
- Biopsy
- PET/CT
- Endoscopy
- Genetic Testing
- Laboratory Test

Be able to identify images of tools, determine the materials/technology used, when it should be used, and what it can show.

## Treatment Options

- Biological Therapy
- Chemotherapy
- Hormone Therapy
- Radiation Therapy
- Surgery

For treatments, focus on the impact on cell activity, materials/equipment used, side effects, and when it is used. Understand the use of clinical trials in treatment.

## Pathology Reports

- Specimen(s) Received
- Clinical History
- Gross Description
- Specimen Type/Size
- Laterality
- Tumor Size
- Final Diagnosis
- Histologic Grade
- Stage
- Number of (Positive) Nodes
- Lymphovascular Invasion
- Procedures/Addenda

For pathology reports, understand how to read/interpret the report along with key terms.

## Case Study

For the case study, understand the path a typical patient undergoes from diagnosis to treatment to recovery. More information regarding the case study will be released on Sakai.

## Pedigree

For pedigrees, focus on what information can be obtained, the different symbols, and genetic counseling.

