

# Breast Cancer Patient Journey

## TEAM 1

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# Background

This study presents observations from **three individual breast cancer patient cases**, focusing on their treatment histories and timelines to achieve a **tumor-free (TF)** status. Each case highlights the specific therapies administered, such as surgery, radiation, chemotherapy, hormone therapy, or pharmaceutical therapy and the sequence in which they were applied.

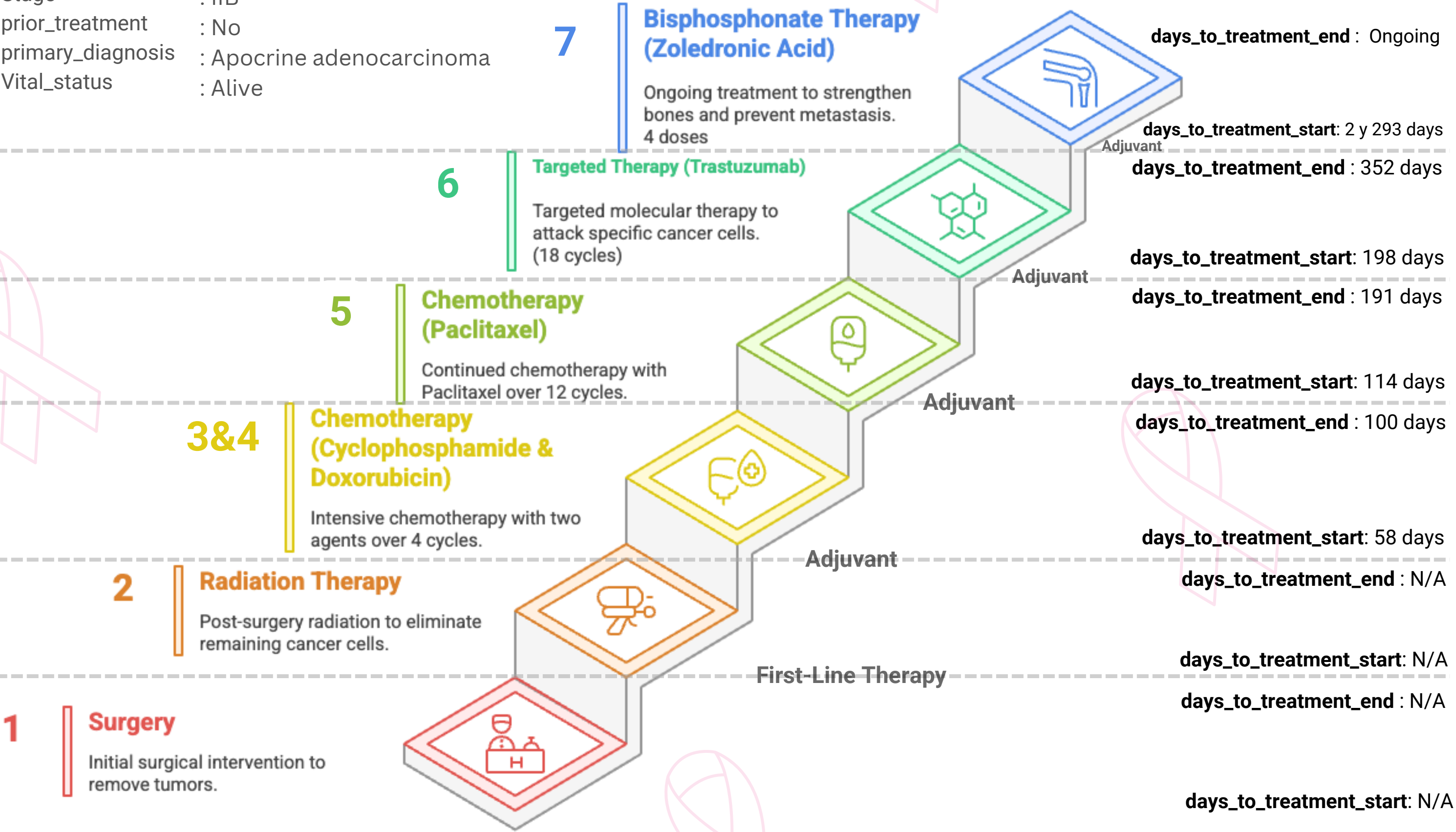
The aim is to understand the variation in treatment responses and disease progression among patients.

All patient data and clinical insights are sourced from :

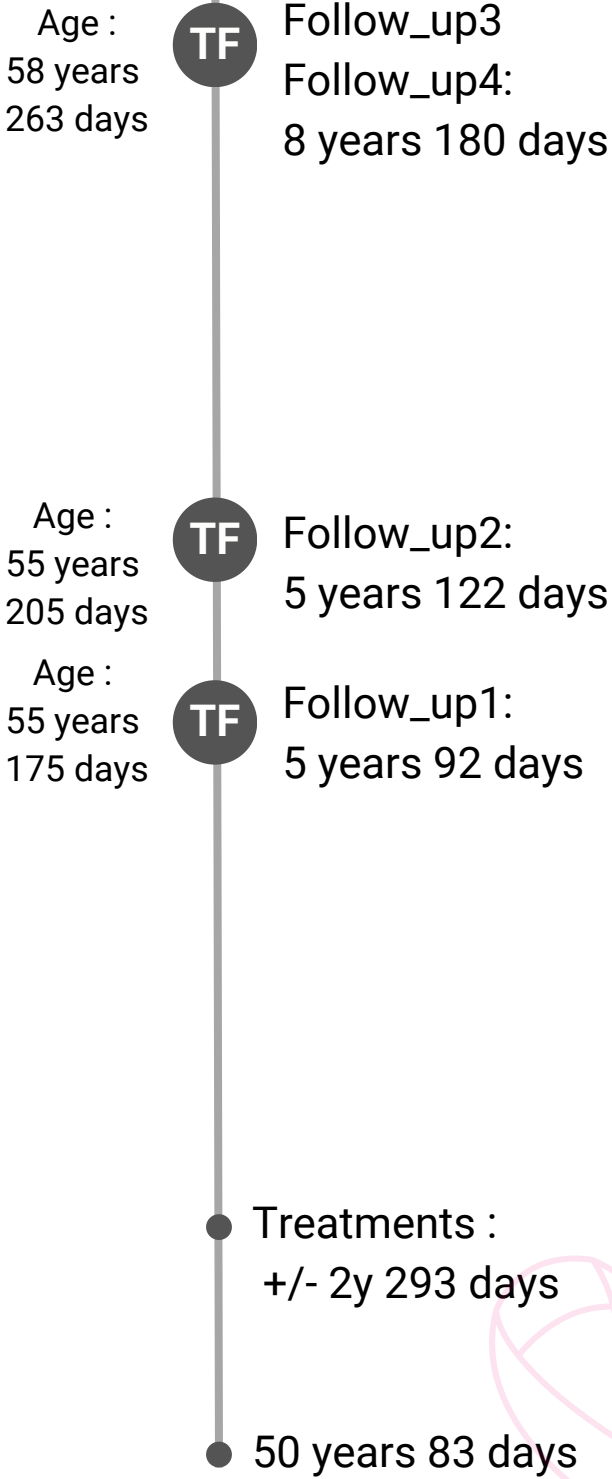
- Genomic Data Commons (GDC) Data Portal (<https://portal.gdc.cancer.gov/>)
- Supporting information referenced from the official GDC Documentation (<https://docs.gdc.cancer.gov/>).
- Relational Database Schema based on the structure and relationships observed in the Genomic Data Commons (GDC) Data Portal. The diagram illustrates how core entities such as **case, demographic, diagnoses, treatments, follow up, samples and assay** are interconnected through foreign key relationships. DB Diagram can be found at <https://dbdiagram.io/d/GDC-Clinical-67ddce3675d75cc8440595a0>.

Breast Cancer Patient Journey (Patient 1- Stage I to Tumor Free)

Case ID : TCGA-A2-A04W  
years\_of\_diagnosis : 2005  
Stage : IIB  
prior\_treatment : No  
primary\_diagnosis : Apocrine adenocarcinoma  
Vital\_status : Alive



Timeline

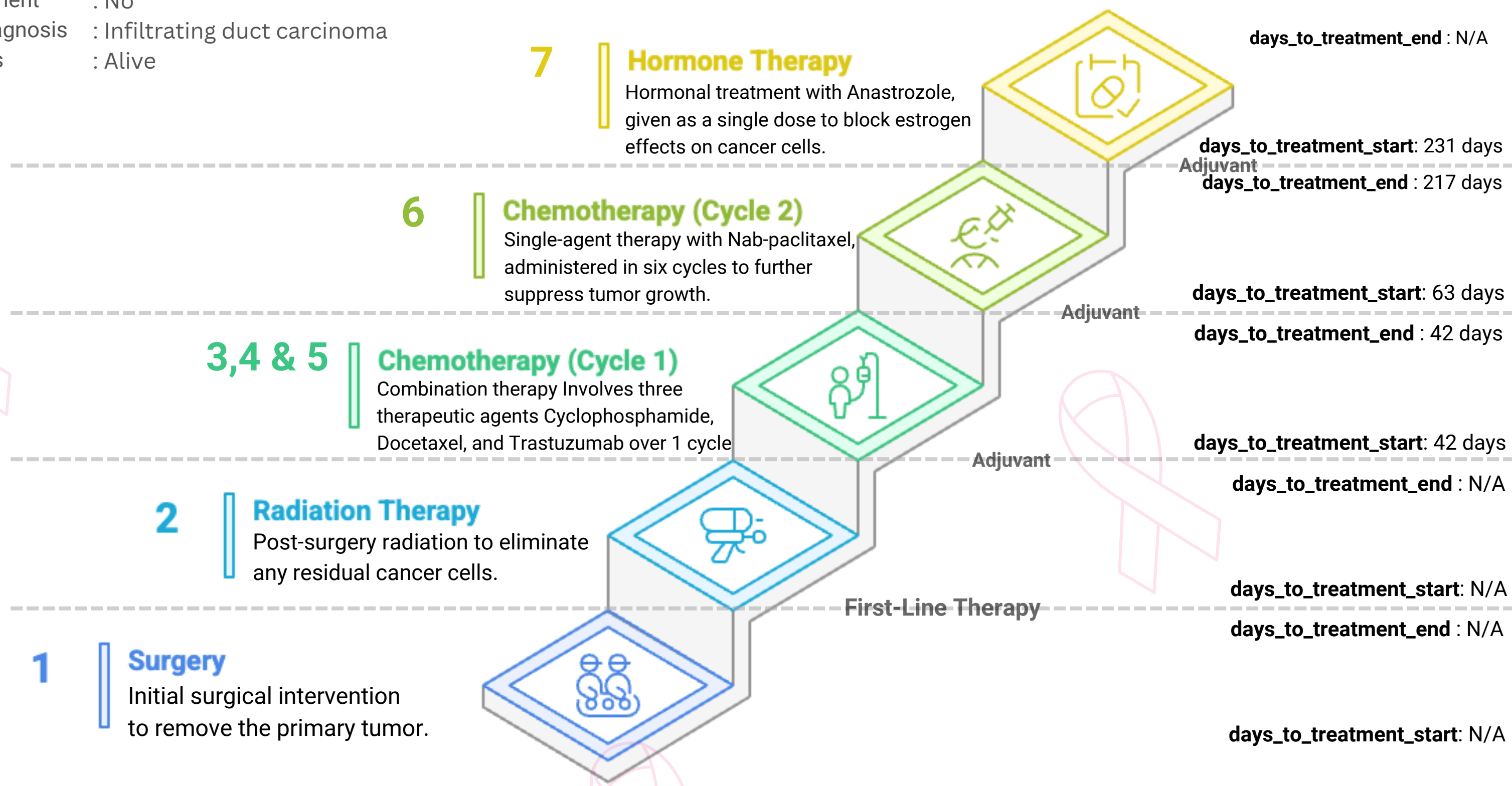


Breast Cancer Patient Journey (Patient 2 - Stage I with Metastasis and Recurrence)

Case ID : TCGA-E2-A152  
years\_of\_diagnosis : 2009  
Stage : I  
prior\_treatment : No  
primary\_diagnosis : Infiltrating duct carcinoma  
Vital\_status : Alive

Breast

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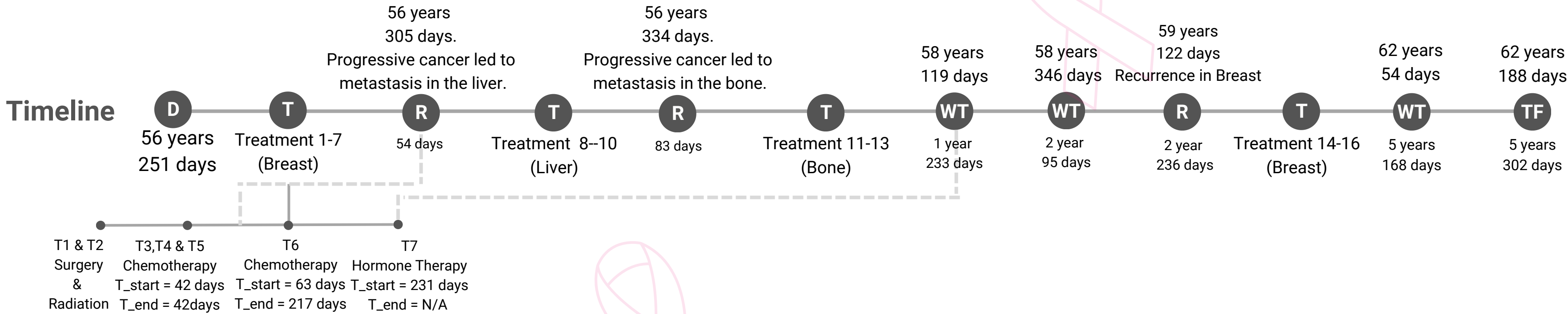
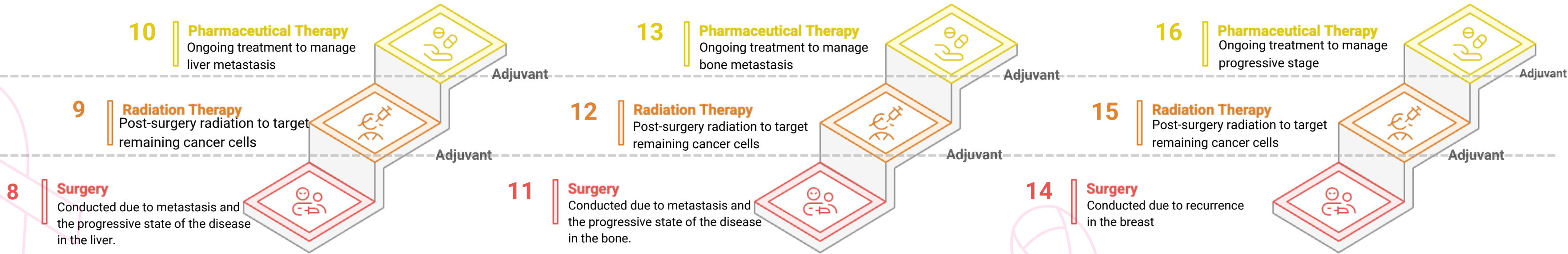
Breast Cancer Patient Journey (Patient 2 - Stage I with Metastasis and Recurrence)

Case ID : TCGA-E2-A152  
years\_of\_diagnosis : 2009  
Stage : I  
prior\_treatment : No  
primary\_diagnosis : Infiltrating duct carcinoma  
Vital\_status : Alive

Liver

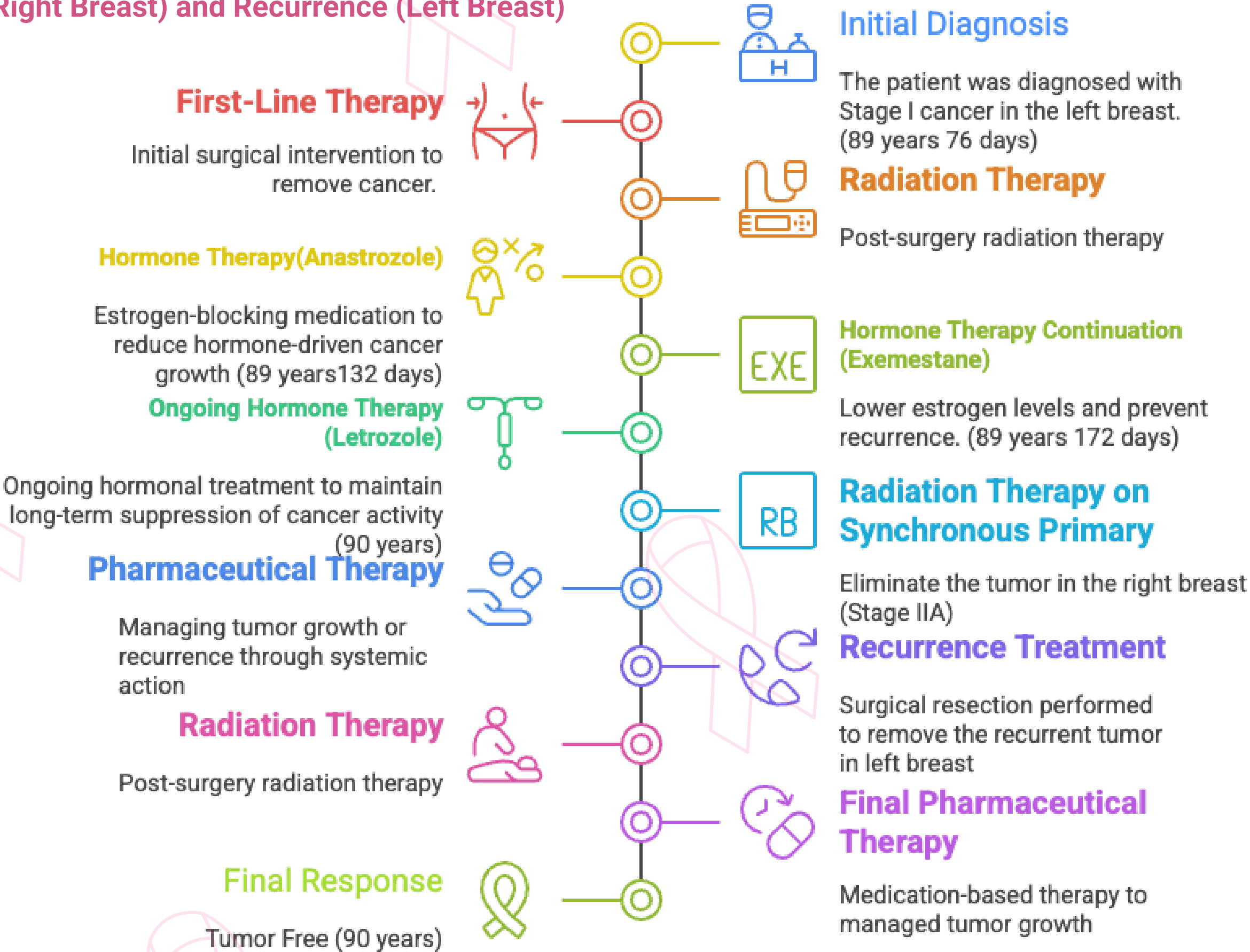
Bone

Breast



Breast Cancer Patient Journey  
(Patient 3 - Stage I (Left Breast), Stage IIA (Right Breast) and Recurrence (Left Breast))

Case ID : TCGA-E2-A15O  
years\_of\_diagnosis : 2010  
Stage : I  
prior\_treatment : No  
primary\_diagnosis : Infiltrating duct carcinoma  
Vital\_status : Alive





Thank you!