

These articles about rearranging the gut and the neuro-hormonal shifts which occur very quickly after surgery and aren't dependent on weight loss or caloric restriction switched on the light bulb! (I looked at pre-diabetes/Type 2 diabetes, PCOS and ERPR+ cancer collectively as the natural progression of metabolic disease, assuming that the breast cancer was in loose terms a form of "Type 3 diabetes.")

1. Metabolic Mechanisms in Obesity and Type 2 Diabetes: Insights from Bariatric/Metabolic Surgery
<https://www.karger.com/Article/FullText/441259>

2. Mechanism of Diabetes Control After Metabolic Surgery
<http://ales.amegroups.com/article/viewFile/4089/4935>

3. Mechanisms of Diabetes Improvement Following Bariatric/Metabolic Surgery
<http://care.diabetesjournals.org/content/39/6/893>

These articles relating to gut hormone shifts, gut microbiota shifts and the role in arresting metabolic diseases made important points:

1. Gastric Bypass Surgery Induces Changes in Gut Hormone-Producing Cell Populations in a Porcine Model
<https://www.omicsonline.org/open-access/gastric-bypass-surgery-induces-changes-in-gut-hormoneproducing-cell-populations-in-a-porcine-model-2155-6156-1000602.php?aid=60192>

2. Conserved Shifts in the Gut Microbiota Due to Gastric Bypass Reduce Host Weight and Adiposity
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3652229/>

3. Serial Changes in Inflammatory Biomarkers After RNY Gastric Bypass Surgery
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4811362/>

These articles/studies as they relate to cancer helped seal the deal on RNY:

1. Decreased Levels of Circulating Cancer-Associated Protein Biomarkers Following Bariatric Surgery
<https://link.springer.com/article/10.1007/s11695-016-2321-y>

2. Benefits of Gastric Bypass Persist for 12 Years
<https://www.reuters.com/article/us-health-obesity-bariatric-surgery/benefits-of-gastric-bypass-persist-for-12-years-idUSKCN1BV227>

3. Bariatric Surgery and the Risk of Cancer in a Large Multisite Cohort
<https://www.ncbi.nlm.nih.gov/pubmed/28938270>

4. Bariatric Surgery Lowers Cancer Risk for Severely Obese Patients

<https://www.sciencedaily.com/releases/2017/10/171005161124.htm>

5. Cancer Incidence and Mortality After Gastric Bypass Surgery

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2859193/>

6. Effects of Bariatric Surgery on Incidence of Obesity-Related Cancers: A Meta-Analysis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4441293/>

7. Weight Loss Surgery Reduces Cancer Risk 33 Percent in Women

<https://www.medicalnewstoday.com/articles/319668.php?sr>

8. Metabolic Surgery and Cancer

<http://onlinelibrary.wiley.com/doi/10.1002/cncr.25738/full>