

# **A Randomized Controlled Trial of Polypharmacy in Early-Stage Breast Cancer**

*Breast Cancer Research and Treatment*

Elizabeth Joyce, MD, MSc<sup>1</sup>, ORCID 0000-0002-8133-2298

Xueting Tao MHS, MS<sup>2</sup>

Vered Stearns, MD<sup>3</sup>

Daniel F. Hayes, MD<sup>1</sup>

Anna Maria Storniolo, MD<sup>4</sup>

Kelley M. Kidwell, PhD<sup>2</sup>

N. Lynn Henry, MD, PhD<sup>1</sup>

## Author Affiliations:

<sup>1</sup> University of Michigan Medical School, Department of Internal Medicine, Ann Arbor, USA

<sup>2</sup> University of Michigan School of Public Health, Department of Biostatistics, Ann Arbor, USA

<sup>3</sup> Johns Hopkins University School of Medicine, Department of Internal Medicine, Baltimore, USA

<sup>4</sup> Indiana University School of Medicine, Department of Internal Medicine, Indianapolis, USA

Corresponding Author: N. Lynn Henry, MD, PhD  
University of Michigan Medical School  
norahh@umich.edu

**Supplemental Table 1: Medication groupings.** Examples of supplements and non-supplement over the counter (OTC) medications provided below the table. PRN: as-needed dosing

Code	Category
0	Prescriptions medications not in other categories
1	Supplements <sup>1,2</sup>
2	Benzodiazepines
3	Selective serotonin reuptake inhibitors (SSRIs)
4	Selective serotonin and norepinephrine reuptake inhibitors (SNRIs)
5	Non-steroidal anti-inflammatories (NSDAIDs)
6	Acetaminophen
7	GABA modulators
8	Opioid and opioid-combinations
9	Aromatase inhibitors (AIs)
10	Non-SSRI/SNRI antidepressants
11	Antipsychotics
12	Sedative-hypnotics
13	Antiepileptic drugs (AEDs)
14	Topical medications
15	Bisphosphonates
17	Stimulants
18	Chemotherapy
19	Muscle relaxants
20	Hormone replacement therapy (HRT)
21	Herceptin
22	Topical lidocaine
23	Lithium
24	Melatonin
25	Tamoxifen
30	Statins
31	Metformin
32	Insulin
33	Other diabetes
50	Non-supplement <sup>1</sup> over the counter (OTC) prn <sup>3</sup>
52	Lidocaine prn <sup>4</sup>
54	Melatonin prn
55	NSAIDs prn
56	Acetaminophen
57	Aspirin prn

<sup>1</sup> Supplements were defined as compounds ingested for health that are not regulated by the Food and Drug Administration (FDA)

<sup>2</sup> Examples of supplements include, but are not limited to: multivitamin, calcium, vitamin D, magnesium hydroxide, glucosamine, omega-3 fatty acid, bilberry extract, lutein

<sup>3</sup> Examples of non-supplement OTC prns include, but are not limited to: antihistamines, loperamide, dextromethorphan, laxatives, saline nasal spray

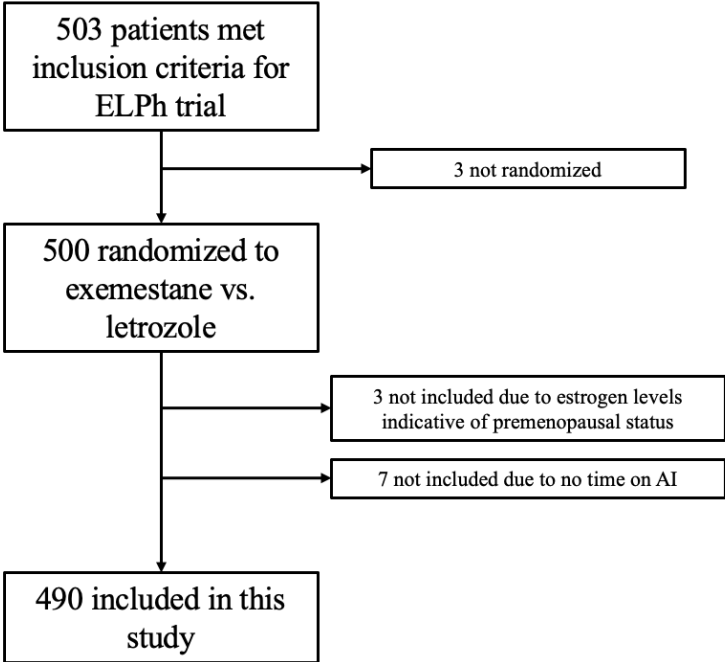
<sup>4</sup> Lidocaine prn included lidocaine patches and topical lidocaine

**Supplemental Figure Legends:**

**Supplemental Figure 1: Consort diagram of study inclusion criteria.** *ELPh*: Exemestane and Letrozole Pharmacogenetics; AI: aromatase inhibitor

**Supplemental Figure 2: Discontinuation over time.** X-axis indicates months; Y-axis indicates probability of discontinuation. Number of patients at risk and number who discontinued (events) is below the x-axis

**Supplemental Figure 1**



## Supplemental Figure 2

