

Terapia ormonale adiuvante in pre-menopausa

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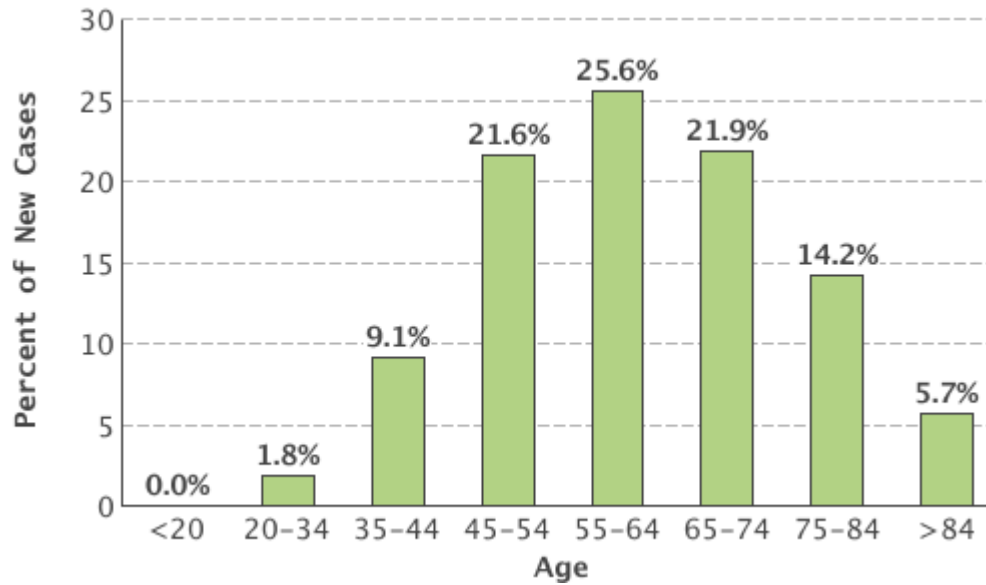
I NUMERI DEL CANCRO IN ITALIA 2015



TABELLA 3.
Numero di nuovi casi tumorali, totale e per alcune delle principali sedi, stimati per il 2015 (Popolazione italiana residente da previsioni ISTAT – www.demo.istat.it).

| Sede | ♂ | ♀ |
|----------------------------------------------|---------|---------------|
| | Maschi | Femmine |
| Vie aerodigestive superiori* | 7.000 | 2.200 |
| Esofago | 1.300 | 600 |
| Stomaco | 8.200 | 5.500 |
| Colon-retto | 29.100 | 22.800 |
| Colon | 19.800 | 16.500 |
| Retto | 9.400 | 6.500 |
| Fegato | 8.500 | 3.800 |
| Colecisti e vie biliari | 2.200 | 2.500 |
| Pancreas | 5.900 | 6.600 |
| Polmone | 29.400 | 11.700 |
| Osso | 300 | 300 |
| Cute (melanomi) | 5.900 | 5.400 |
| Mesotelioma | 1.400 | 500 |
| Sarcoma di Kaposi | 600 | 300 |
| Tessuti molli | 1.100 | 900 |
| Mammella | 300 | 47.900 |
| Utero (cervice) | | 2.100 |
| Utero (corpo) | | 8.200 |
| Ovaio | | 4.800 |
| Prostata | 35.200 | |
| Testicolo | 2.300 | |
| Rene, vie urinarie** | 8.300 | 4.300 |
| Parenchima | 6.800 | 3.600 |
| Pelvi e vie urinarie | 1.200 | 700 |
| Vescica*** | 21.100 | 4.900 |
| Sistema nervoso centrale | 3.200 | 2.500 |
| Tiroide | 4.100 | 11.300 |
| Linfoma di Hodgkin | 1.300 | 1.100 |
| Linfoma non-Hodgkin | 7.000 | 6.000 |
| Mieloma | 2.900 | 2.400 |
| Leucemie | 4.800 | 3.500 |
| Tutti i tumori, esclusi carcinomi della cute | 194.400 | 168.900 |

Percent of New Cases by Age Group: Breast Cancer

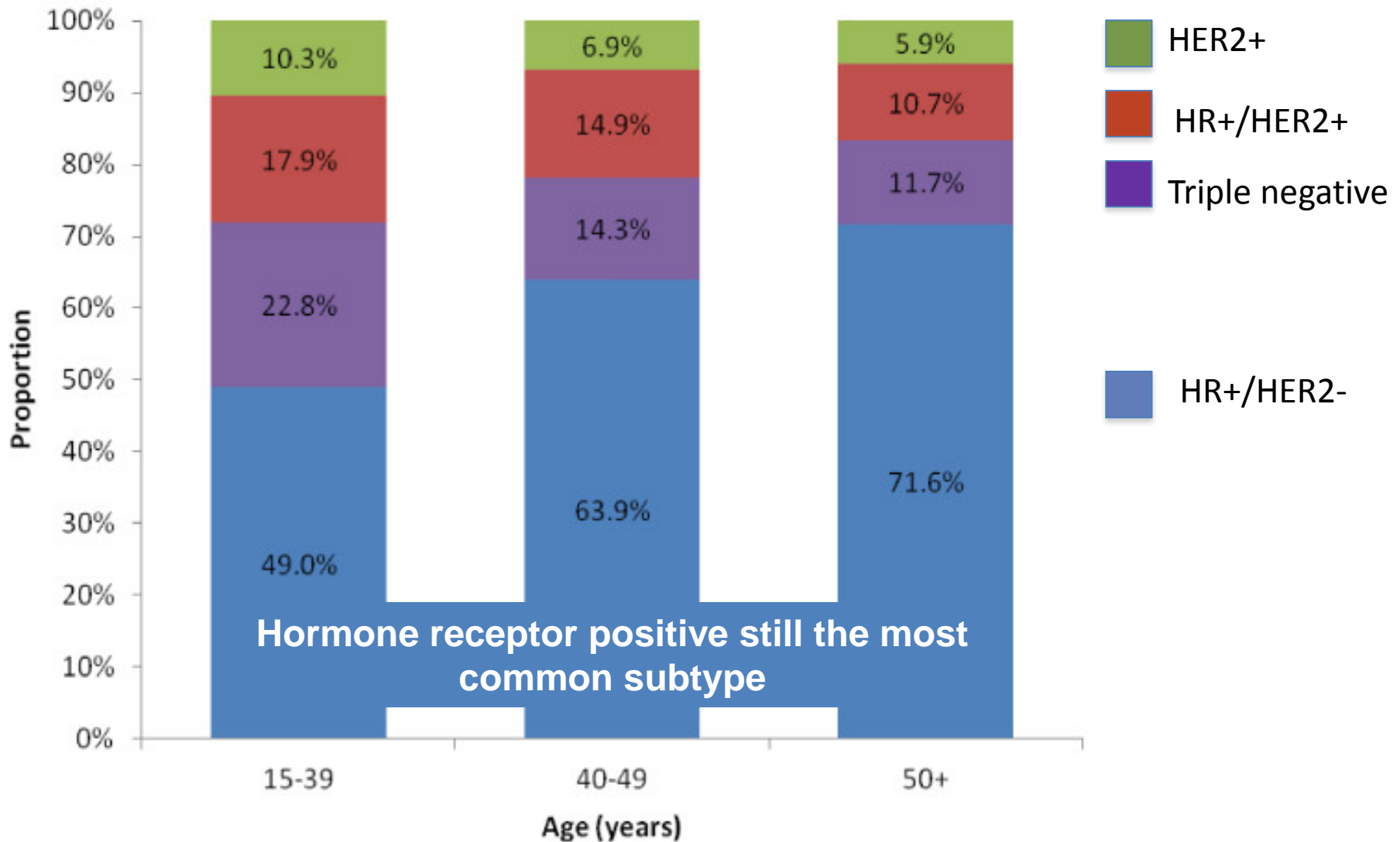


SEER 18 2008-2012, All Races, Females

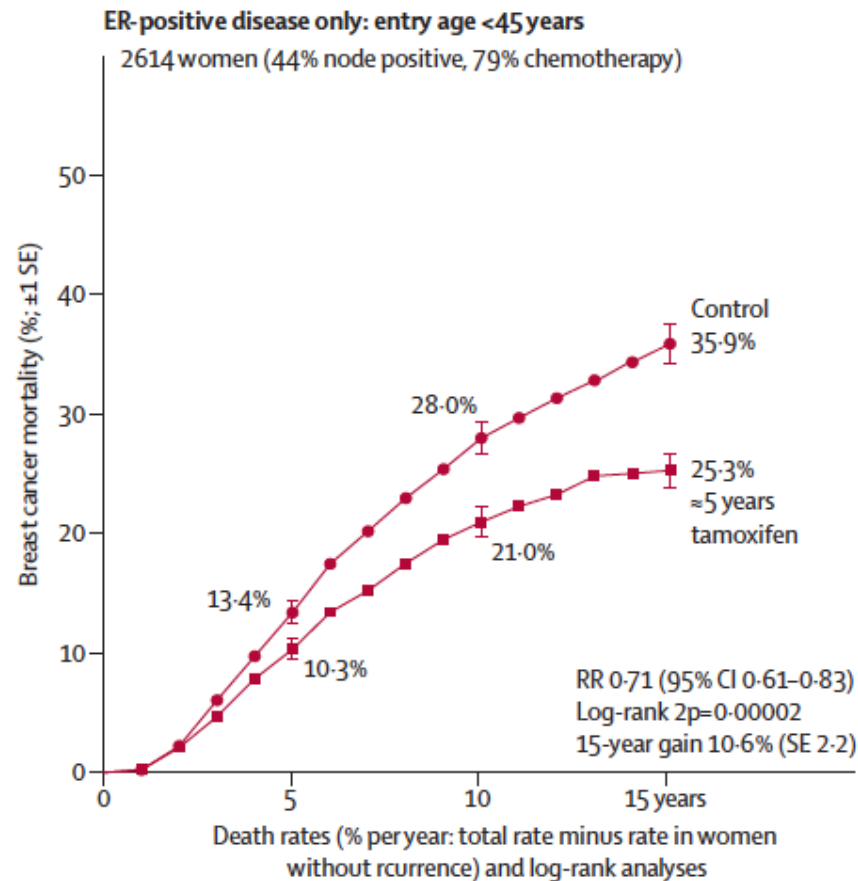
Breast cancer in young women: specific clinical issues

- Risk of hereditary breast cancer
- **Optimal endocrine treatment**
- Fertility/pregnancy issues

Proportion of Breast Cancer Subtypes by Age



Benefits of 5 years of Tamoxifen: entry age < 45 years and ER+ disease only



| | Years 0-4 | Years 5-9 | Years 10-14 | Year 15+ |
|------------|----------------|----------------|----------------|----------------|
| Tamoxifen | 2.15 (SE 0.19) | 2.63 (SE 0.25) | 1.29 (SE 0.24) | 0.98 (SE 0.37) |
| Control | 2.80 (SE 0.21) | 3.74 (SE 0.30) | 2.39 (SE 0.35) | 0.85 (SE 0.38) |
| Rate ratio | 0.76 (SE 0.10) | 0.69 (SE 0.10) | 0.56 (SE 0.18) | 1.07 (SE 0.61) |
| (O-E)/V | -19.9/71.9 | -23.7/63.8 | -10.5/18.1 | 0.2/2.8 |

ATLAS

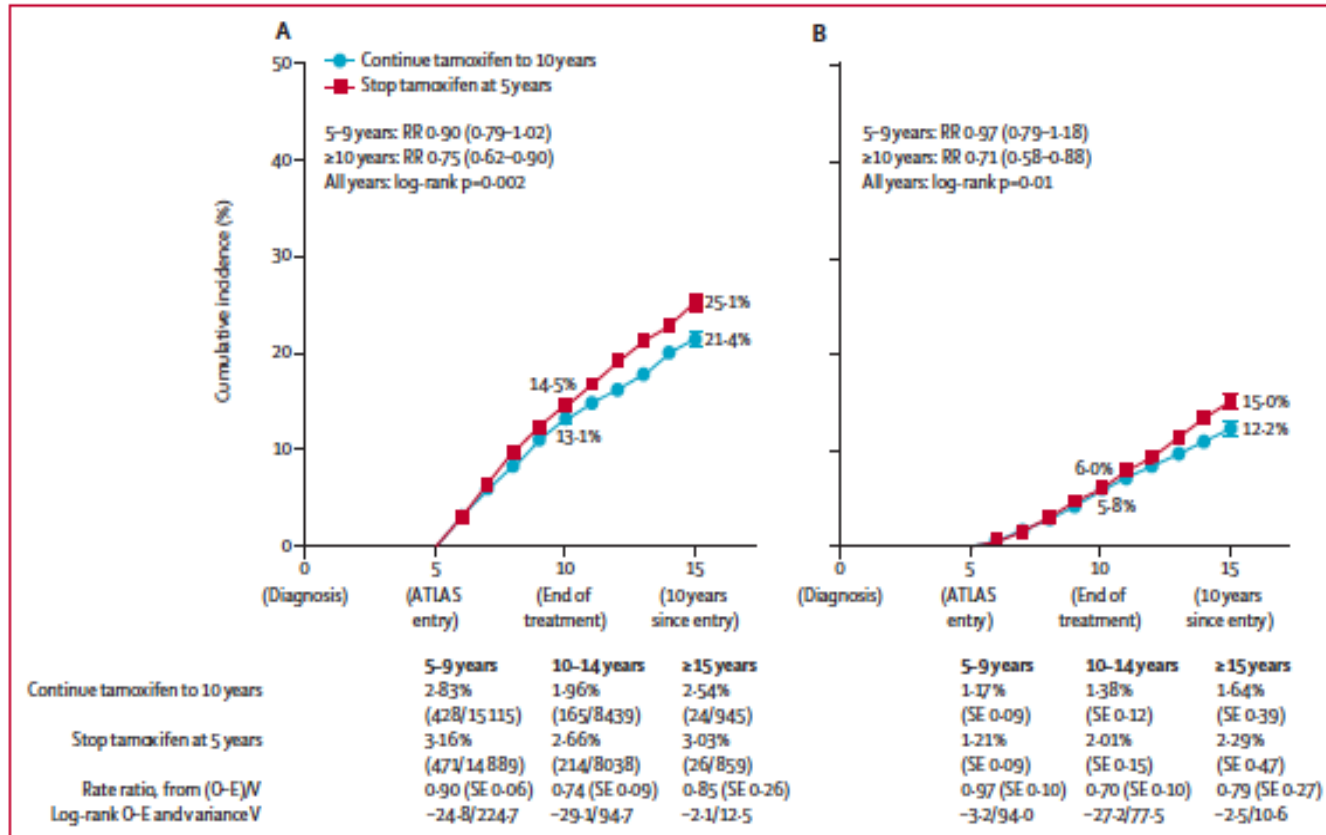
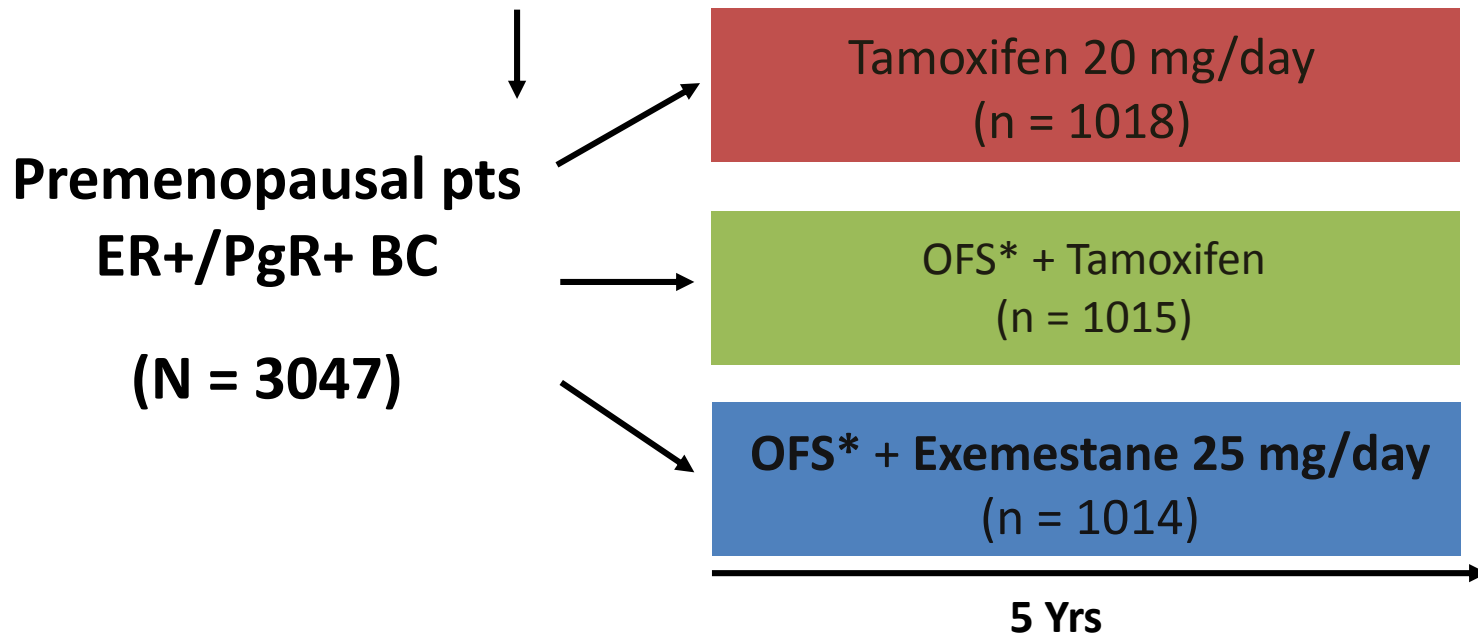


Figure 3: Recurrence (A) and breast cancer mortality (B) by treatment allocation for 6846 women with ER-positive disease

Bars show SE. Recurrence rates are percentage per year (events/patient-years of follow-up). Death rates (overall rate - rate in women without recurrence) are

SOFT

*Stratified by prior chemotherapy
(yes vs no) and nodal status (+ vs -)*



- Primary endpoint: DFS
- Secondary endpoints: BCFI, DRFI, OS

*Triptorelin, oophorectomy, or irradiation

ORIGINAL ARTICLE

Adjuvant Ovarian Suppression in Premenopausal Breast Cancer

This article was published on December 11,
2014, at NEJM.org.

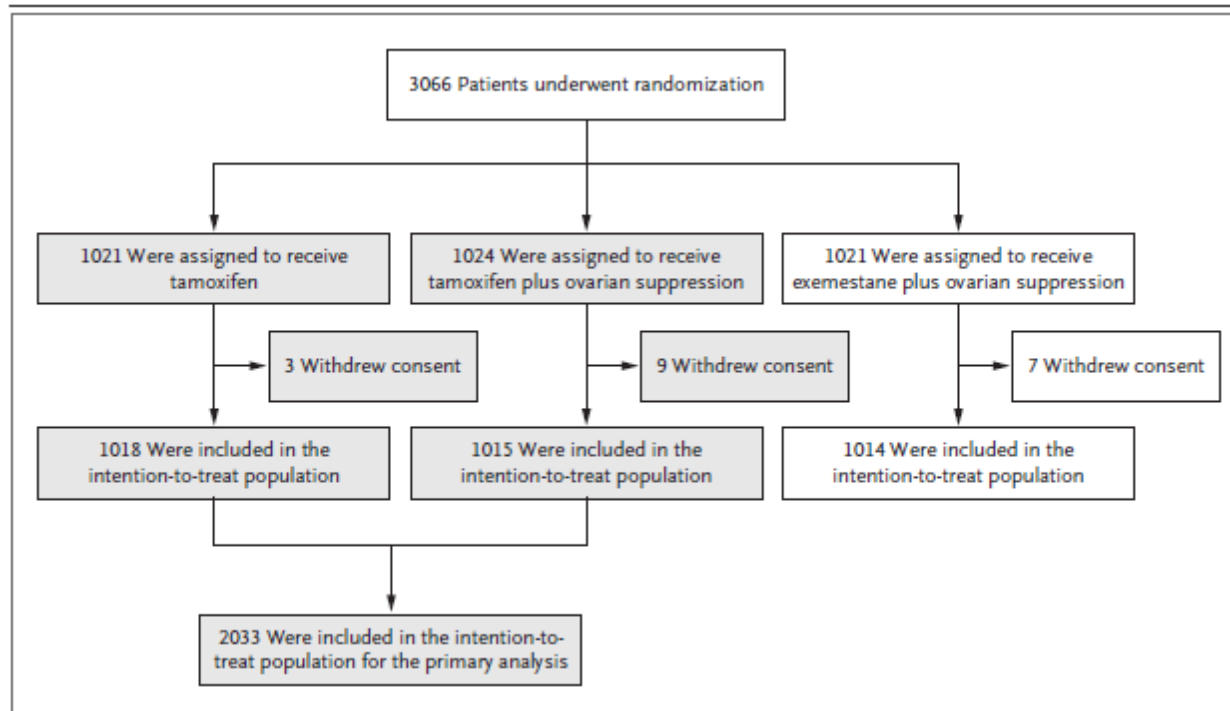


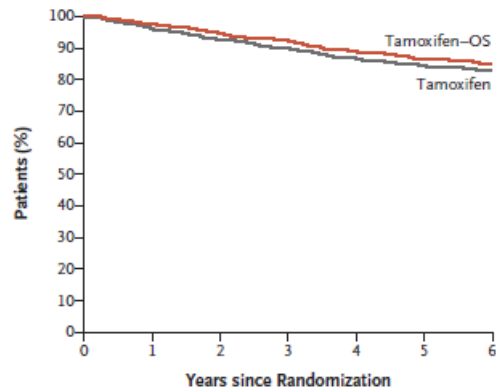
Figure 1. Randomization and Primary Analysis Populations.

ADJUVANT OVARIAN SUPPRESSION IN BREAST CANCER

Table 1. Characteristics of Patients in the Primary Analysis, Overall and According to Chemotherapy Cohort.*

| Characteristic | No Chemotherapy (N= 949) | Prior Chemotherapy (N= 1084) | Overall (N= 2033) |
|---------------------------------------------------|-----------------------------|---------------------------------|----------------------|
| Age at randomization | | | |
| Median — yr | 46 | 40 | 43 |
| Distribution — no. (%) | | | |
| <35 yr | 14 (1.5) | 219 (20.2) | 233 (11.5) |
| 35–39 yr | 78 (8.2) | 309 (28.5) | 387 (19.0) |
| 40–49 yr | 702 (74.0) | 522 (48.2) | 1224 (60.2) |
| ≥50 yr | 155 (16.3) | 34 (3.1) | 189 (9.3) |
| Lymph-node status — no. (%) | | | |
| Negative | 861 (90.7) | 463 (42.7) | 1324 (65.1) |
| Positive | 88 (9.3) | 621 (57.3) | 709 (34.9) |
| Tumor size — no. (%)† | | | |
| ≤2 cm | 806 (84.9) | 526 (48.5) | 1332 (65.5) |
| >2 cm | 136 (14.3) | 513 (47.3) | 649 (31.9) |
| Tumor grade — no. (%)‡ | | | |
| 1 | 389 (41.0) | 151 (13.9) | 540 (26.6) |
| 2 | 483 (50.9) | 523 (48.2) | 1006 (49.5) |
| 3 | 65 (6.8) | 374 (34.5) | 439 (21.6) |
| HER2-positive — no. (%) | | | |
| | 40 (4.2) | 196 (18.1) | 236 (11.6) |
| Interval from surgery to randomization — mo | | | |
| Median | 1.8 | 8.0 | 3.2 |
| Interquartile range | 1.2–2.4 | 5.8–10.3 | 1.7–8.33 |
| Endocrine therapy before randomization — no. (%)§ | | | |
| | 47 (5.0) | 475 (43.8) | 522 (25.7) |

A Disease-free Survival



| | No. of Patients | No. of Patients with Event | 5-Yr Rate % |
|--------------|-----------------|----------------------------|-------------|
| Tamoxifen | 1018 | 160 | 84.7 |
| Tamoxifen-OS | 1015 | 139 | 86.6 |

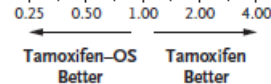
Hazard ratio for recurrence, second invasive cancer, or death, 0.83 (95% CI, 0.66–1.04)
P=0.10

No. at Risk

| | Tamoxifen-OS | Tamoxifen | Tamoxifen-OS | Tamoxifen | Tamoxifen-OS | Tamoxifen | Tamoxifen-OS | Tamoxifen |
|--------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Tamoxifen | 1018 | 951 | 895 | 847 | 719 | 525 | 309 | |
| Tamoxifen-OS | 1015 | 966 | 927 | 878 | 742 | 556 | 349 | |

B End Points, Overall and According to Chemotherapy Cohort

| End Point | No. of Patients | | No. of Patients with Event | | 5-Yr Rate (%) | | Hazard Ratio (95% CI) | P Value |
|----------------------------------------|-----------------|-----------|----------------------------|-----------|---------------|-----------|-----------------------|---------|
| | Tamoxifen-OS | Tamoxifen | Tamoxifen-OS | Tamoxifen | Tamoxifen-OS | Tamoxifen | | |
| Disease-free survival | | | | | | | | |
| All patients | 1015 | 1018 | 139 | 160 | 86.6 | 84.7 | 0.83 (0.66–1.04) | 0.10 |
| Prior chemotherapy | | | | | | | | |
| No | 473 | 476 | 32 | 38 | 93.4 | 93.3 | 0.83 (0.52–1.34) | 0.96 |
| Yes | 542 | 542 | 107 | 122 | 80.7 | 77.1 | 0.82 (0.64–1.07) | |
| Freedom from breast cancer | | | | | | | | |
| All patients | 1015 | 1018 | 120 | 140 | 88.4 | 86.4 | 0.81 (0.63–1.03) | 0.09 |
| Prior chemotherapy | | | | | | | | |
| No | 473 | 476 | 23 | 24 | 95.1 | 95.8 | 0.95 (0.54–1.69) | 0.54 |
| Yes | 542 | 542 | 97 | 116 | 82.5 | 78.0 | 0.78 (0.60–1.02) | |
| Freedom from distant recurrence | | | | | | | | |
| All patients | 1015 | 1018 | 89 | 96 | 91.3 | 90.7 | 0.88 (0.66–1.18) | 0.40 |
| Prior chemotherapy | | | | | | | | |
| No | 473 | 476 | 7 | 6 | 98.7 | 98.6 | 1.16 (0.39–3.44) | 0.62 |
| Yes | 542 | 542 | 82 | 90 | 84.8 | 83.6 | 0.87 (0.64–1.17) | |
| Overall survival | | | | | | | | |
| All patients | 1015 | 1018 | 47 | 59 | 96.7 | 95.1 | 0.74 (0.51–1.09) | 0.13 |
| Prior chemotherapy | | | | | | | | |
| No | 473 | 476 | 8 | 2 | 99.2 | 99.8 | 3.84 (0.81–18.08) | 0.03 |
| Yes | 542 | 542 | 39 | 57 | 94.5 | 90.9 | 0.64 (0.42–0.96) | |



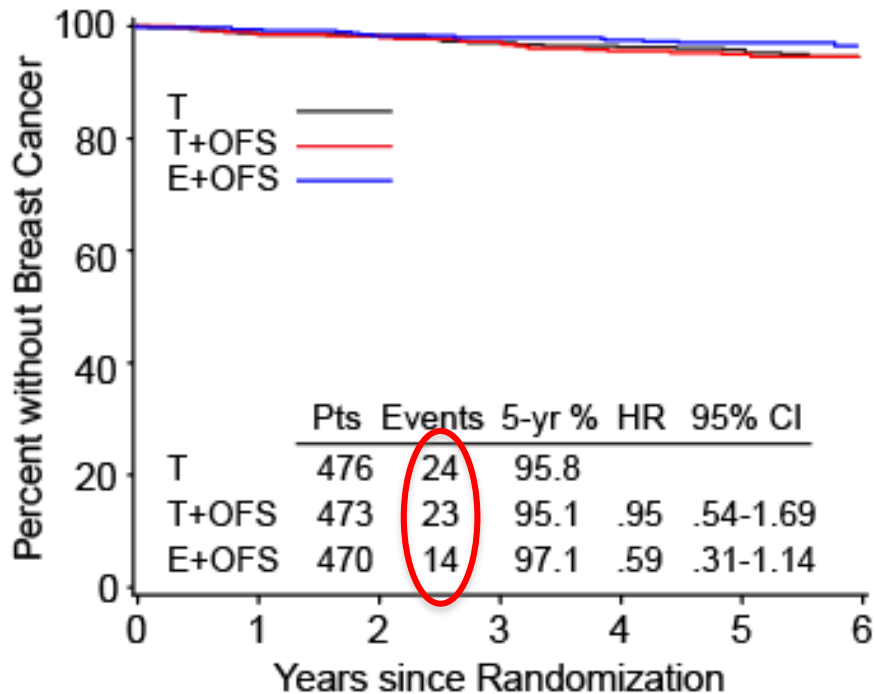
SOFT

“No chemotherapy” pts had low risk features

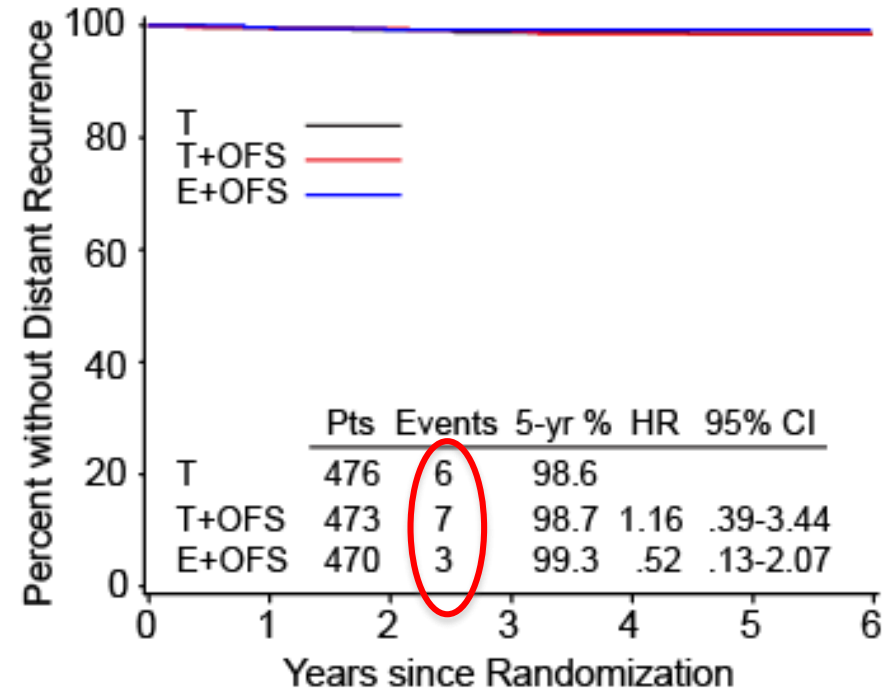
- 90% \geq 40 yrs,
- 91% node negative,
- 85% tumor \leq 2 cm,
- 41% grade 1

Premenopausal No Chemotherapy

No Chemotherapy
Breast Cancer-Free Interval

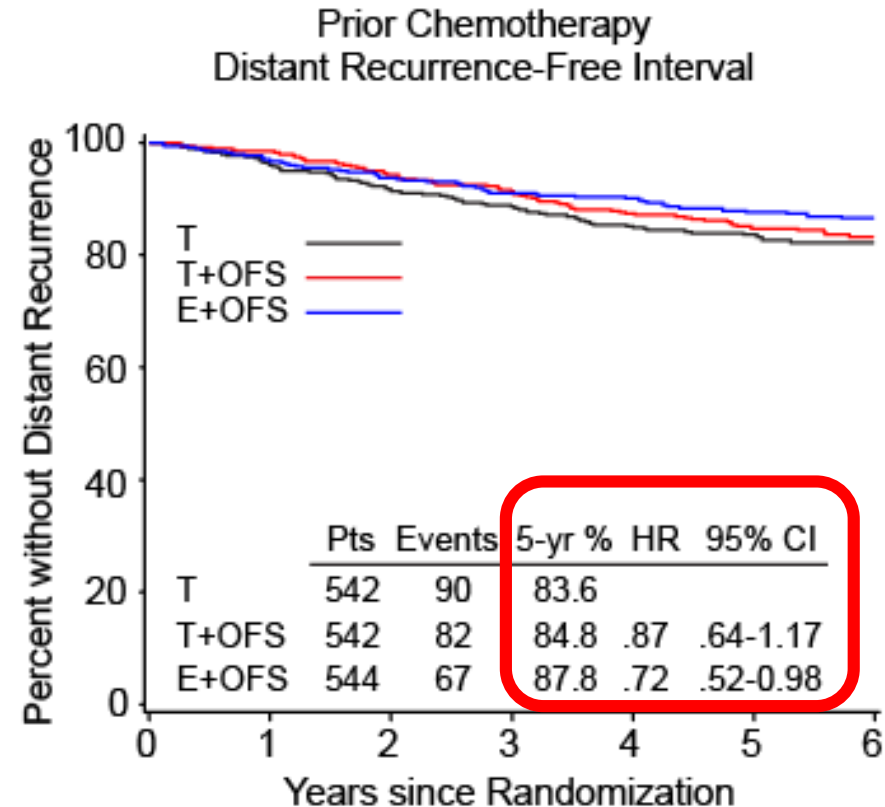
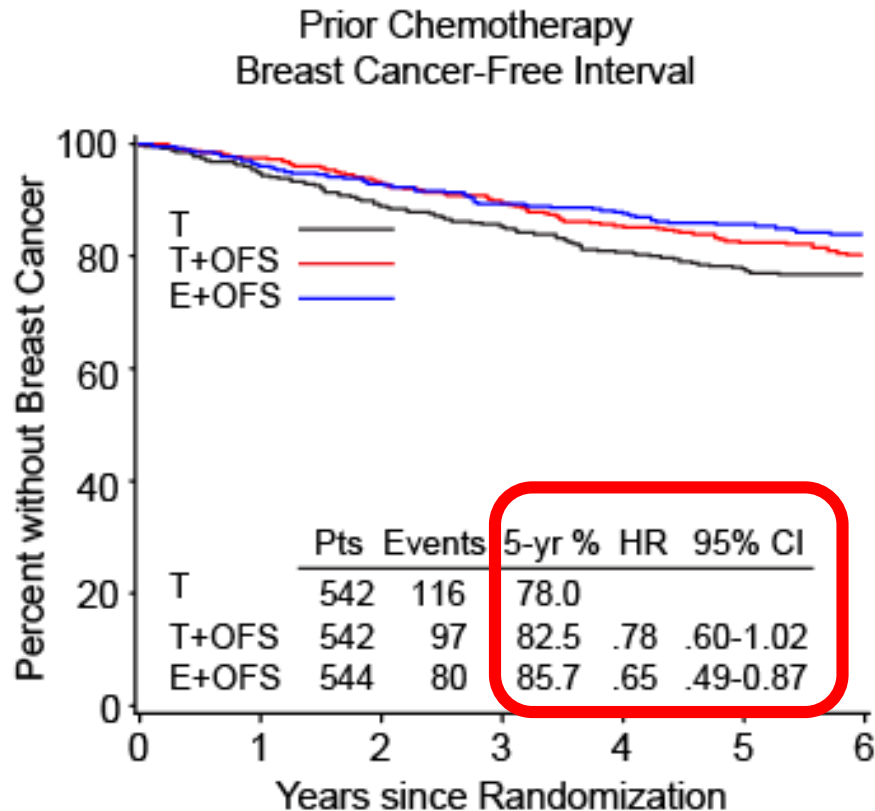


No Chemotherapy
Distant Recurrence-Free Interval



Cohort selected for low risk clinicopathologic features

Premenopausal after Prior Chemotherapy



T+OFS v T: Absolute improvement in 5-yr BCFI: 4.5%

E+OFS v T: Absolute improvement in 5-yr BCFI: 7.7%

E+OFS v T+OFS: Absolute improvement in 5-yr DRFI: 4.2%

All women < 35 years of age

- 350 patients (11.5%) < age 35
- 94% received chemotherapy in this age group

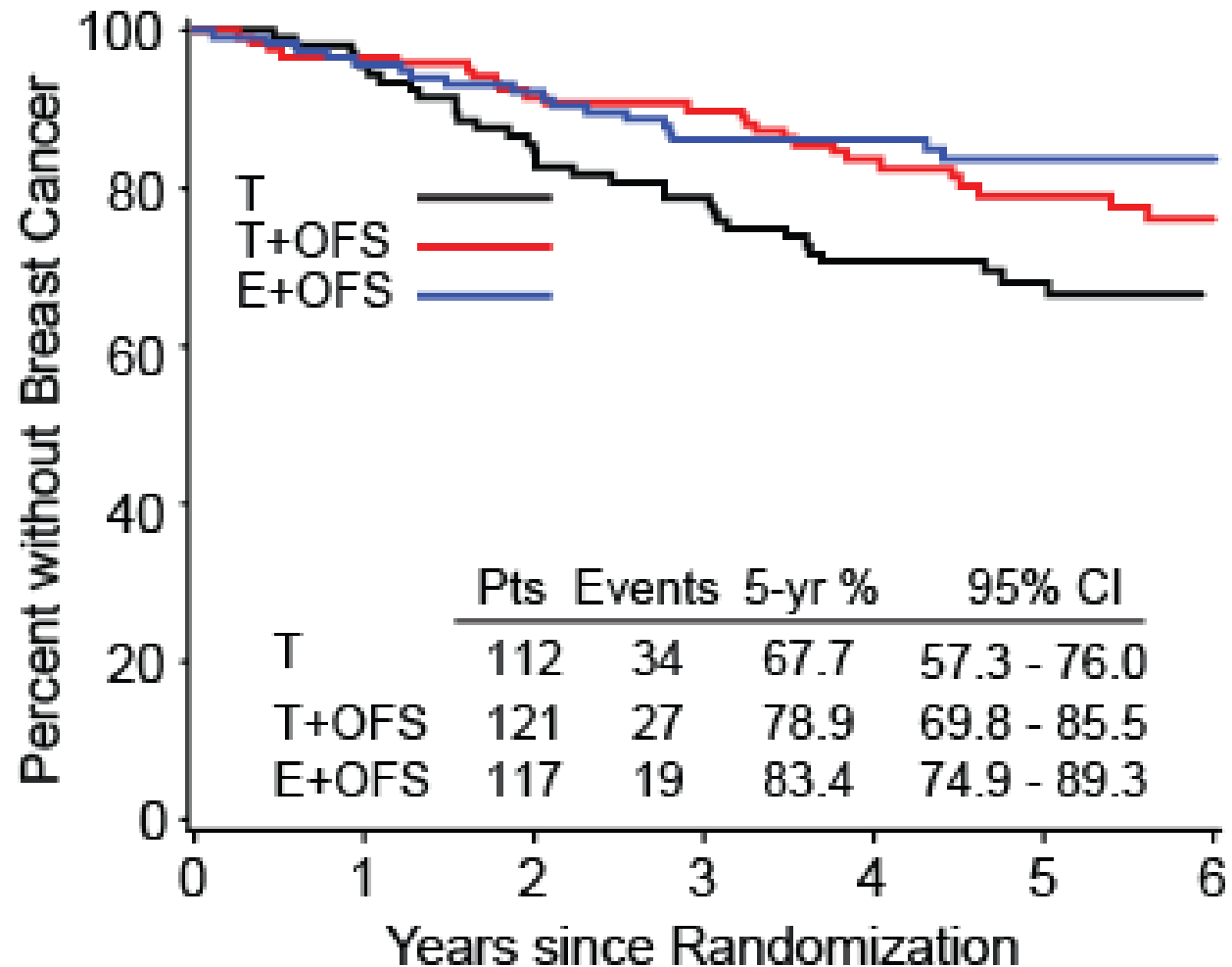


Table 2. Key Targeted Adverse Events Reported during Follow-up, According to Treatment Assignment.*

| Adverse Event | Tamoxifen (N=1006) | | | | Tamoxifen plus Ovarian Suppression (N= 1005) | | | |
|-----------------------------|-----------------------------------|-------------------|-----------------------------------|-------------------|----------------------------------------------|-------------------|-----------------------------------|-------------------|
| | Any Event | | Grade 3 or 4 Event | | Any Event | | Grade 3 or 4 Event | |
| | <i>no. of patients with event</i> | <i>% (95% CI)</i> | <i>no. of patients with event</i> | <i>% (95% CI)</i> | <i>no. of patients with event</i> | <i>% (95% CI)</i> | <i>no. of patients with event</i> | <i>% (95% CI)</i> |
| Hot flushes | 803 | 79.8 (77.2–82.3) | 76 | 7.6 (6.0–9.4) | 939 | 93.4 (91.7–94.9) | 133 | 13.2 (11.2–15.5) |
| Depression | 469 | 46.6 (43.5–49.8) | 38 | 3.8 (2.7–5.1) | 522 | 51.9 (48.8–55.1) | 44 | 4.4 (3.2–5.8) |
| Sweating | 486 | 48.3 (45.2–51.4) | — | — | 621 | 61.8 (58.7–64.8) | — | — |
| Insomnia | 466 | 46.3 (43.2–49.5) | 29 | 2.9 (1.9–4.1) | 575 | 57.2 (54.1–60.3) | 46 | 4.6 (3.4–6.1) |
| Hypertension | 173 | 17.2 (14.9–19.7) | 54 | 5.4 (4.1–6.9) | 233 | 23.2 (20.6–25.9) | 75 | 7.5 (5.9–9.3) |
| Musculoskeletal symptoms | 694 | 69.0 (66.0–71.8) | 63 | 6.3 (4.8–7.9) | 755 | 75.1 (72.3–77.8) | 55 | 5.5 (4.1–7.1) |
| Osteoporosis | 124 | 12.3 (10.4–14.5) | 1 | 0.1 (0.0–0.6) | 201 | 20.0 (17.6–22.6) | 3 | 0.3 (0.1–0.9) |
| Vaginal dryness | 421 | 41.8 (38.8–45.0) | — | — | 500 | 49.8 (46.6–52.9) | — | — |
| Decreased libido | 427 | 42.4 (39.4–45.6) | — | — | 477 | 47.5 (44.3–50.6) | — | — |
| Glucose intolerance† | 18 | 1.8 (1.1–2.8) | 3 | 0.3 (0.1–0.9) | 35 | 3.5 (2.4–4.8) | 14 | 1.4 (0.8–2.3) |
| Any targeted adverse event‡ | 959 | 95.3 (93.8–96.5) | 238 | 23.7 (21.1–26.4) | 989 | 98.4 (97.4–99.1) | 315 | 31.3 (28.5–34.3) |

ORIGINAL ARTICLE

Adjuvant Ovarian Suppression in Premenopausal Breast Cancer

This article was published on December 11, 2014, at NEJM.org.

CONCLUSIONS

Adding ovarian suppression to tamoxifen did not provide a significant benefit in the overall study population. However, for women who were at sufficient risk for recurrence to warrant adjuvant chemotherapy and who remained premenopausal, the addition of ovarian suppression improved disease outcomes. Further improvement was seen with the use of exemestane plus ovarian suppression. (Funded by Pfizer and others; SOFT ClinicalTrials.gov number, NCT00066690.)

Adjuvant Exemestane with Ovarian Suppression
Premenopausal Breast Cancer

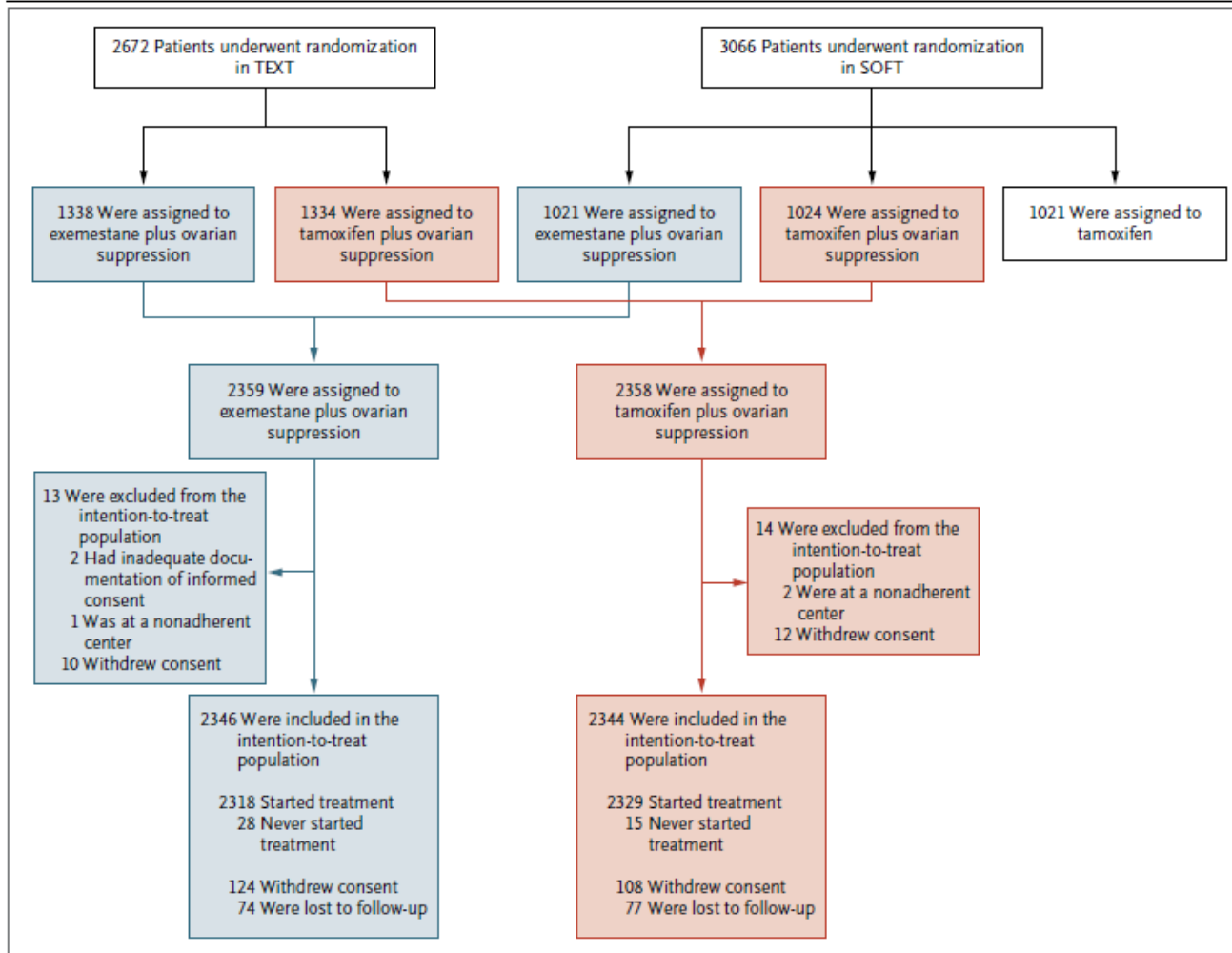
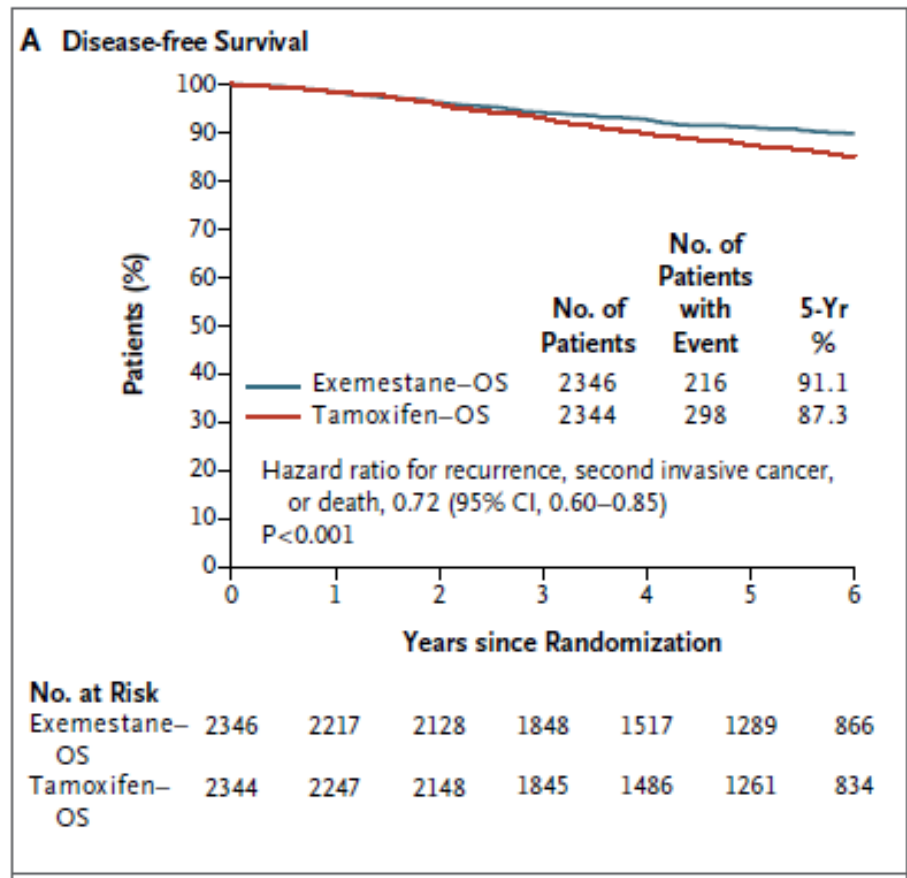


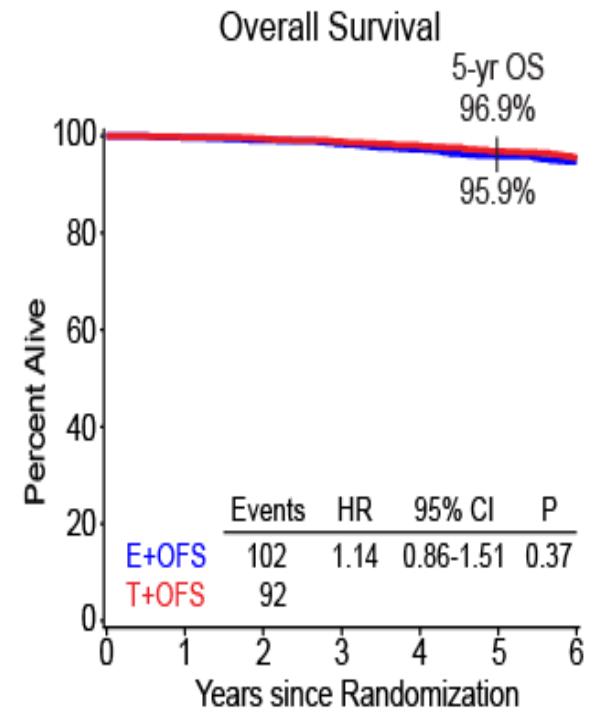
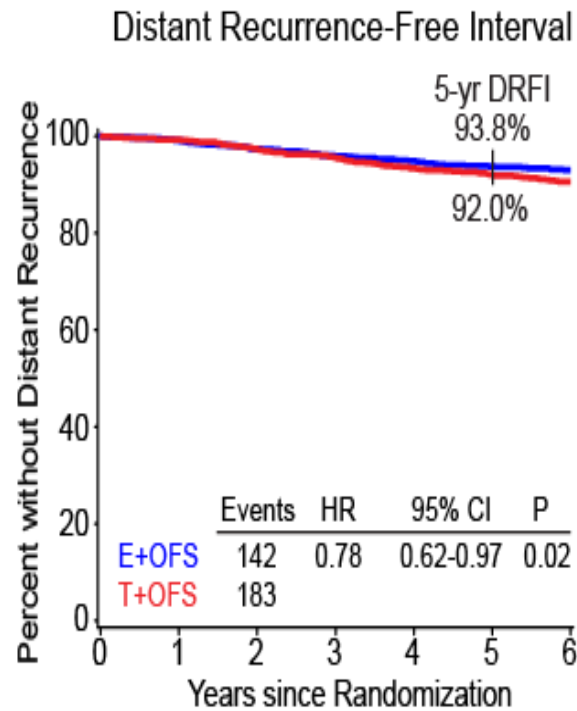
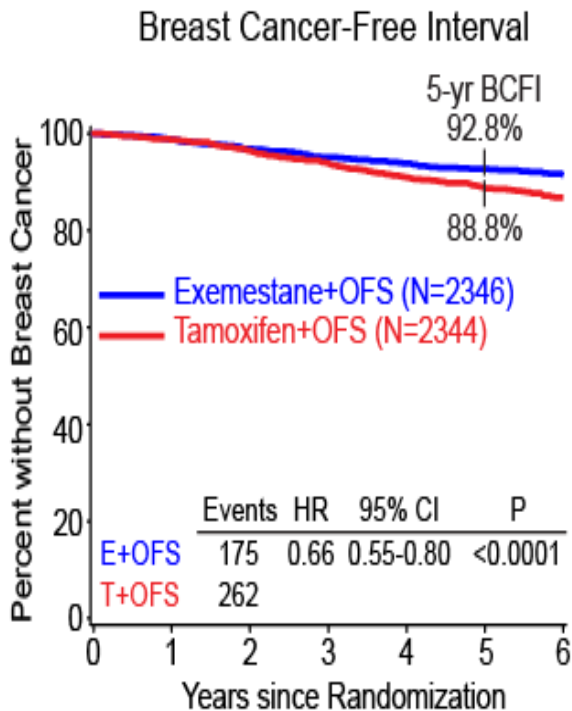
Figure 1. Randomization, Treatment, and Follow-up.

Of the 383 patients who withdrew consent or were lost to follow-up, 150 consented to the continued submission of disease-recurrence and survival status from medical records or such updates are obtainable from tumor and vital registries according to the protocol follow-up schedule. SOFT denotes Suppression of Ovarian Function Trial, and TEXT Tamoxifen and Exemestane Trial.

DFS

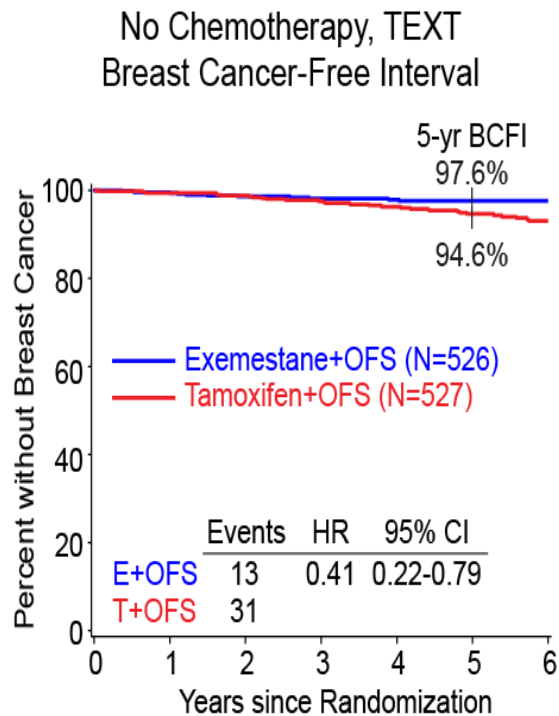


Exemestane+OFS Reduced Recurrence

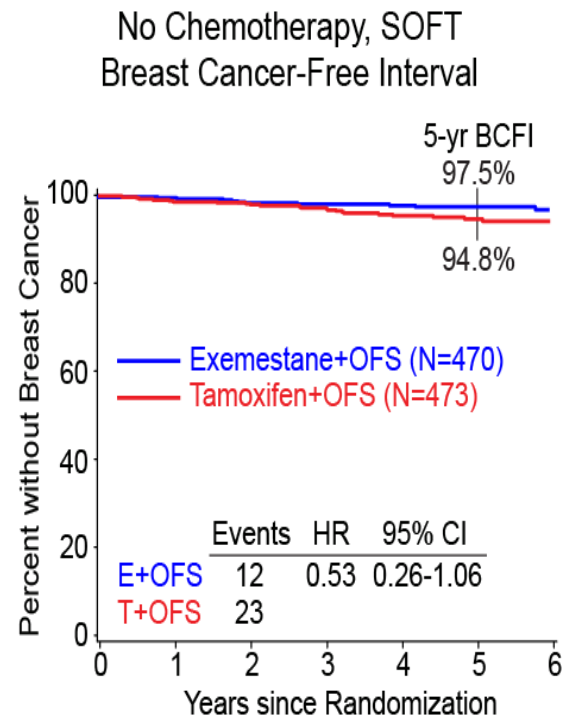


- 4% absolute improvement in 5-yr freedom from breast cancer for Exe+OFS
- 1.8% absolute improvement in 5-yr freedom from distant recurrence for Exe+OFS
- No significant difference in overall survival

Women Who Did Not Receive Chemotherapy



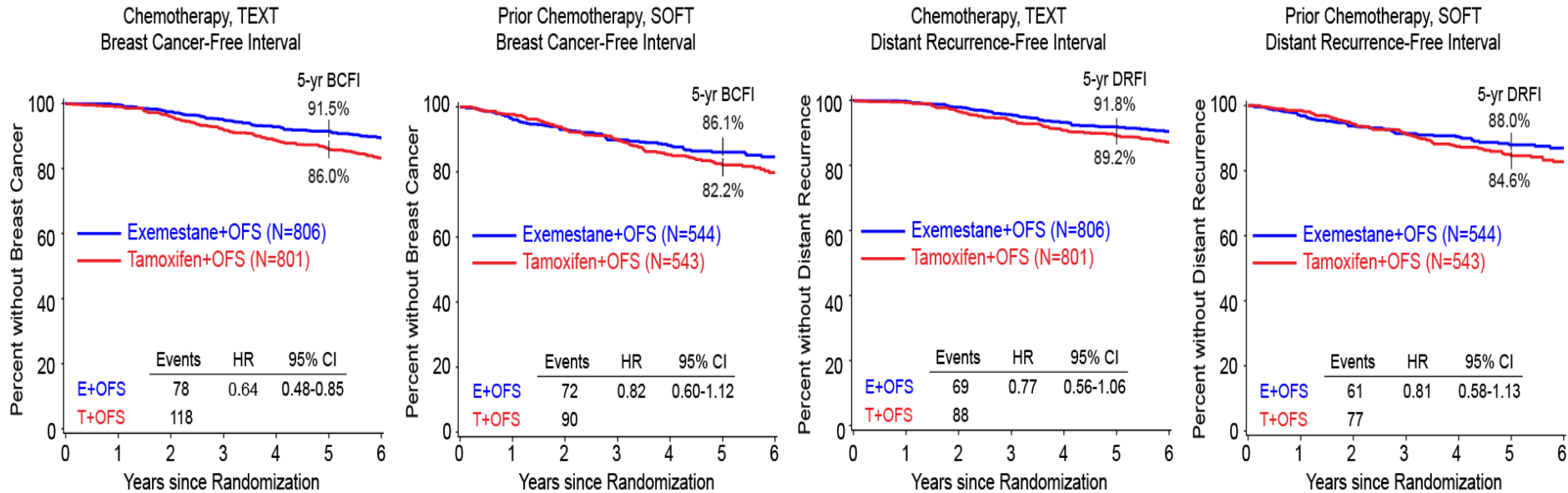
N=1996



16% <40 years; 19% T-size >2cm; 21% N+

9% <40 years; 15% T-size >2cm; 8% N+

Women Who Received Chemotherapy



66% N+; 53% T-size >2cm; 30% <40 years

57% N+; 47% T-size >2cm; 49% <40 years

Absolute improvement with exemestane+OFS

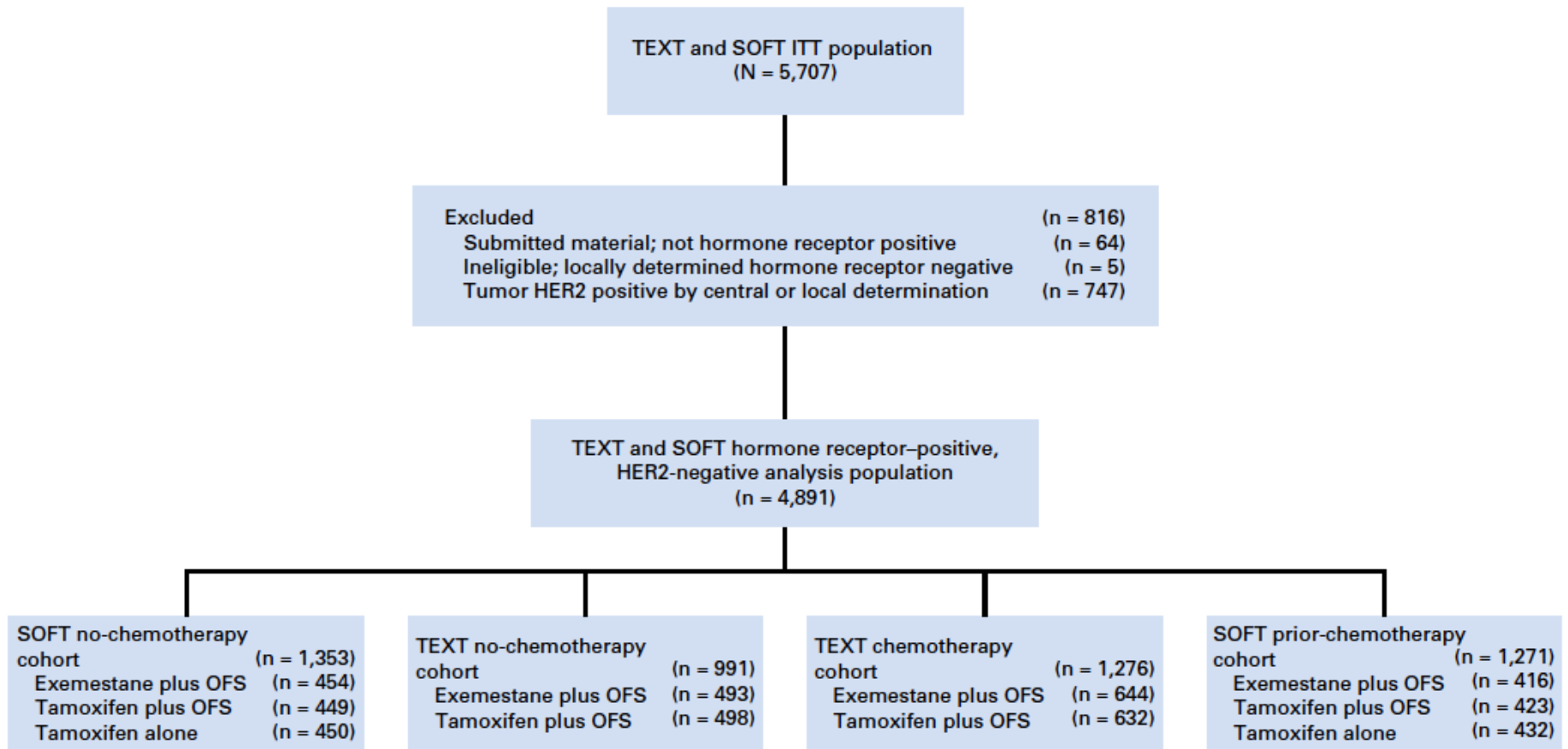
5-yr freedom from breast cancer: 5.5% in TEXT and 3.9% in SOFT

5-yr freedom from distant recurrence: 2.6% in TEXT and 3.4% in SOFT

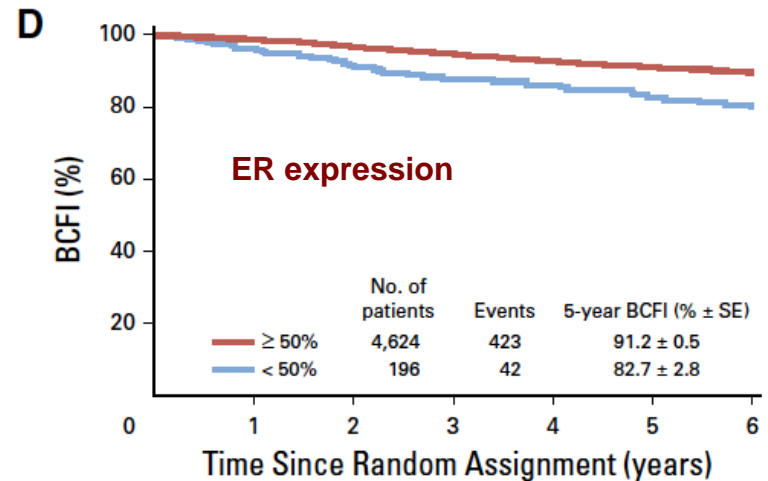
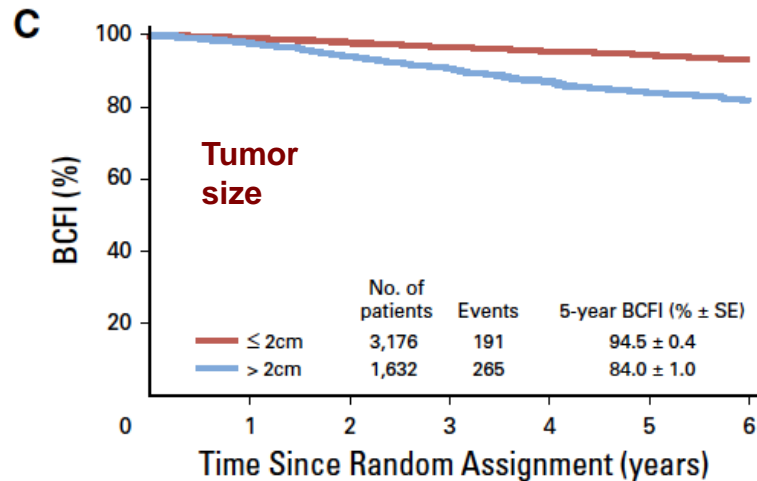
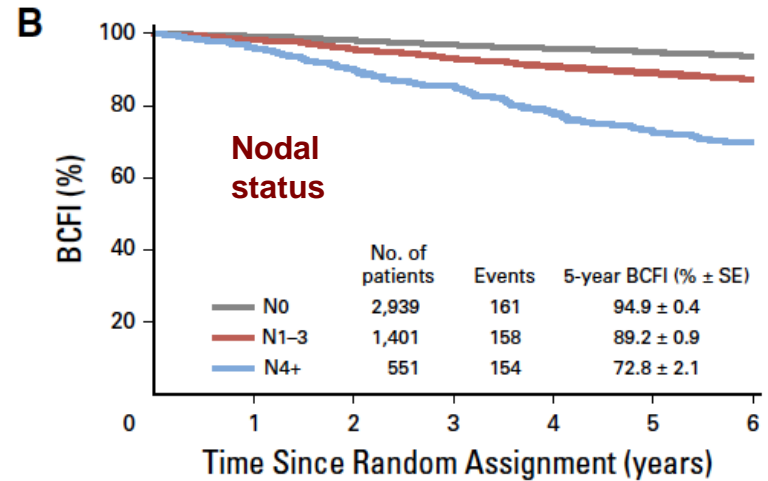
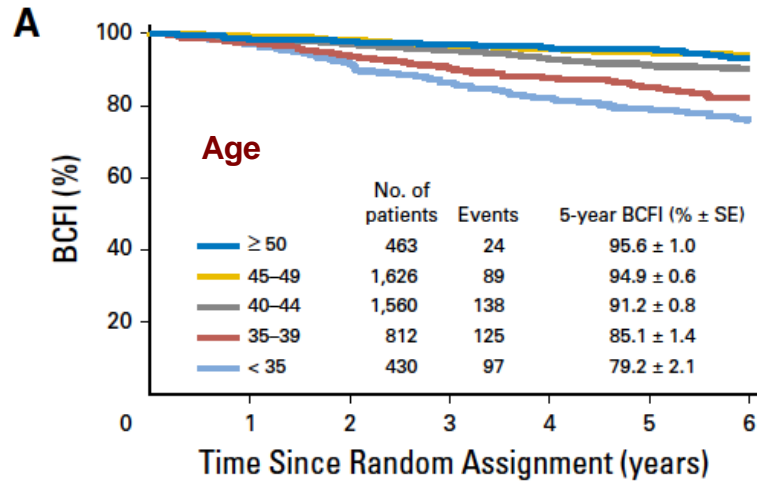
Table 2. Targeted Adverse Events Reported during Follow-up, According to Treatment Assignment.*

| Adverse Event | Exemestane plus Ovarian Suppression (N=2318) | | | | Tamoxifen plus Ovarian Suppression (N=2325) | | | |
|---------------------------------------|----------------------------------------------|-------------------|-----------------------------------|-------------------|---------------------------------------------|-------------------|-----------------------------------|-------------------|
| | Any Event | | Grade 3 or 4 Event | | Any Event | | Grade 3 or 4 Event | |
| | <i>no. of patients with event</i> | <i>% (95% CI)</i> | <i>no. of patients with event</i> | <i>% (95% CI)</i> | <i>no. of patients with event</i> | <i>% (95% CI)</i> | <i>no. of patients with event</i> | <i>% (95% CI)</i> |
| Allergic reaction or hypersensitivity | 115 | 5.0 (4.1–5.9) | 11 | 0.5 (0.2–0.8) | 107 | 4.6 (3.8–5.5) | 9 | 0.4 (0.2–0.7) |
| Injection-site reaction | 168 | 7.2 (6.2–8.4) | 1 | <0.1 (0.0–0.2) | 187 | 8.0 (7.0–9.2) | 1 | <0.1 (0.0–0.2) |
| Hot flushes | 2125 | 91.7 (90.5–92.8) | 232 | 10.0 (8.8–11.3) | 2169 | 93.3 (92.2–94.3) | 279 | 12.0 (10.7–13.4) |
| Depression | 1165 | 50.3 (48.2–52.3) | 87 | 3.8 (3.0–4.6) | 1164 | 50.1 (48.0–52.1) | 102 | 4.4 (3.6–5.3) |
| Sweating | 1264 | 54.5 (52.5–56.6) | — | — | 1371 | 59.0 (56.9–61.0) | — | — |
| Insomnia | 1348 | 58.2 (56.1–60.2) | 89 | 3.8 (3.1–4.7) | 1361 | 58.5 (56.5–60.5) | 100 | 4.3 (3.5–5.2) |
| Fatigue | 1420 | 61.3 (59.2–63.2) | 73 | 3.1 (2.5–3.9) | 1463 | 62.9 (60.9–64.9) | 67 | 2.9 (2.2–3.6) |
| Hypertension | 527 | 22.7 (21.0–24.5) | 151 | 6.5 (5.5–7.6) | 509 | 21.9 (20.2–23.6) | 169 | 7.3 (6.2–8.4) |
| Cardiac ischemia or infarction | 16 | 0.7 (0.4–1.1) | 7 | 0.3 (0.1–0.6) | 7 | 0.3 (0.1–0.6) | 3 | 0.1 (0.0–0.4) |
| Thrombosis or embolism | 24 | 1.0 (0.7–1.5) | 19 | 0.8 (0.5–1.3) | 50 | 2.2 (1.6–2.8) | 45 | 1.9 (1.4–2.6) |
| Nausea | 721 | 31.1 (29.2–33.0) | 17 | 0.7 (0.4–1.2) | 671 | 28.9 (27.0–30.7) | 13 | 0.6 (0.3–1.0) |
| Musculoskeletal symptoms | 2057 | 88.7 (87.4–90.0) | 254 | 11.0 (9.7–12.3) | 1766 | 76.0 (74.2–77.7) | 122 | 5.2 (4.4–6.2) |
| Osteoporosis | 894 | 38.6 (36.6–40.6) | 10 | 0.4 (0.2–0.8) | 586 | 25.2 (23.5–27.0) | 6 | 0.3 (0.1–0.6) |
| Fractures | 158 | 6.8 (5.8–7.9) | 29 | 1.3 (0.8–1.8) | 120 | 5.2 (4.3–6.1) | 18 | 0.8 (0.5–1.2) |
| Vaginal dryness | 1214 | 52.4 (50.3–54.4) | — | — | 1101 | 47.4 (45.3–49.4) | — | — |
| Decreased libido | 1042 | 45.0 (42.9–47.0) | — | — | 950 | 40.9 (38.9–42.9) | — | — |
| Dyspareunia | 707 | 30.5 (28.6–32.4) | 53 | 2.3 (1.7–3.0) | 601 | 25.8 (24.1–27.7) | 32 | 1.4 (0.9–1.9) |
| Urinary incontinence | 304 | 13.1 (11.8–14.6) | 6 | 0.3 (0.1–0.6) | 414 | 17.8 (16.3–19.4) | 7 | 0.3 (0.1–0.6) |
| CNS cerebrovascular ischemia | 5 | 0.2 (0.1–0.5) | 4 | 0.2 (0.0–0.4) | 11 | 0.5 (0.2–0.8) | 8 | 0.3 (0.1–0.7) |
| CNS hemorrhage | 15 | 0.6 (0.4–1.1) | 1 | <0.1 (0.0–0.2) | 21 | 0.9 (0.6–1.4) | 2 | 0.1 (0.0–0.3) |
| Glucose intolerance† | 54 | 2.3 (1.8–3.0) | 11 | 0.5 (0.2–0.8) | 54 | 2.3 (1.7–3.0) | 15 | 0.6 (0.4–1.1) |
| Hyperglycemia† | 61 | 2.6 (2.0–3.4) | 13 | 0.6 (0.3–1.0) | 80 | 3.4 (2.7–4.3) | 15 | 0.6 (0.4–1.1) |
| Any targeted adverse event | 2279 | 98.3 (97.7–98.8) | 710 | 30.6 (28.8–32.6) | 2285 | 98.3 (97.7–98.8) | 683 | 29.4 (27.5–31.3) |

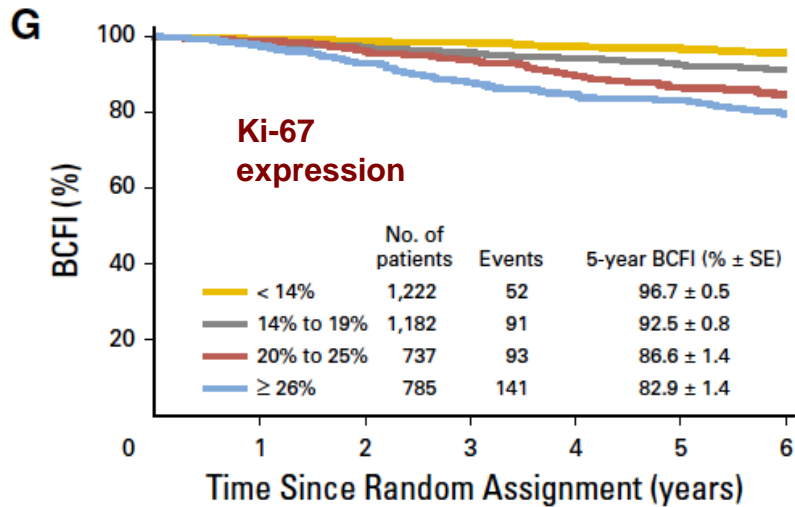
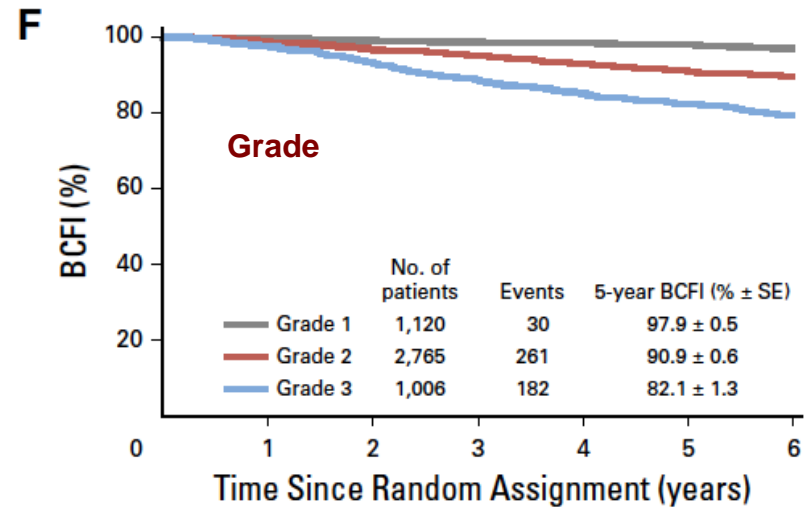
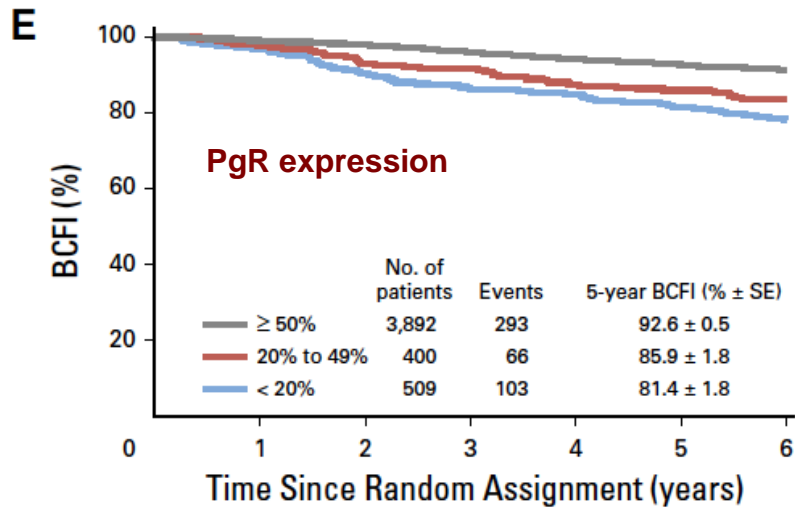
To understand absolute benefit in SOFT/TEXT trials



Prognostic factors



Prognostic factors



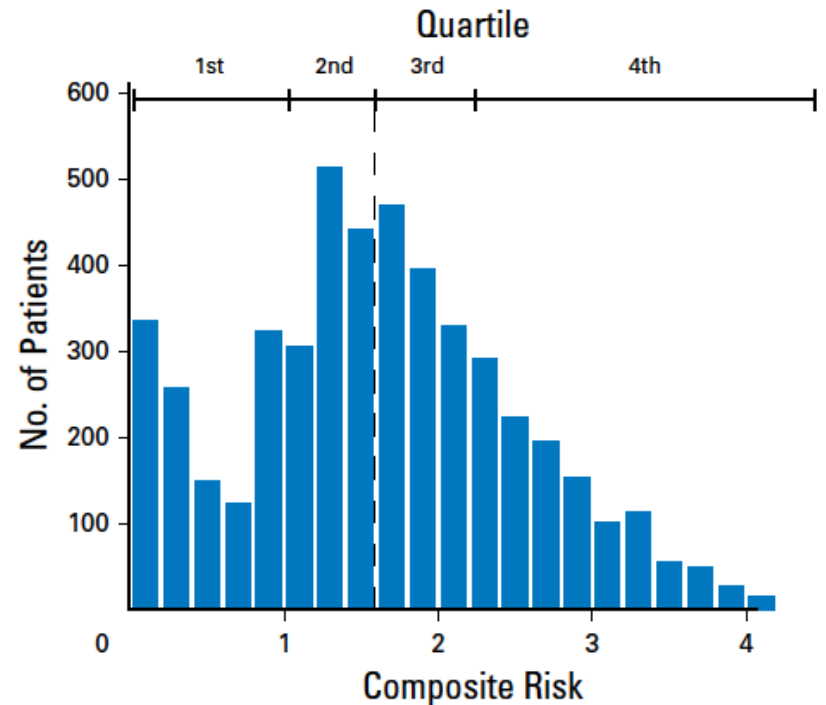
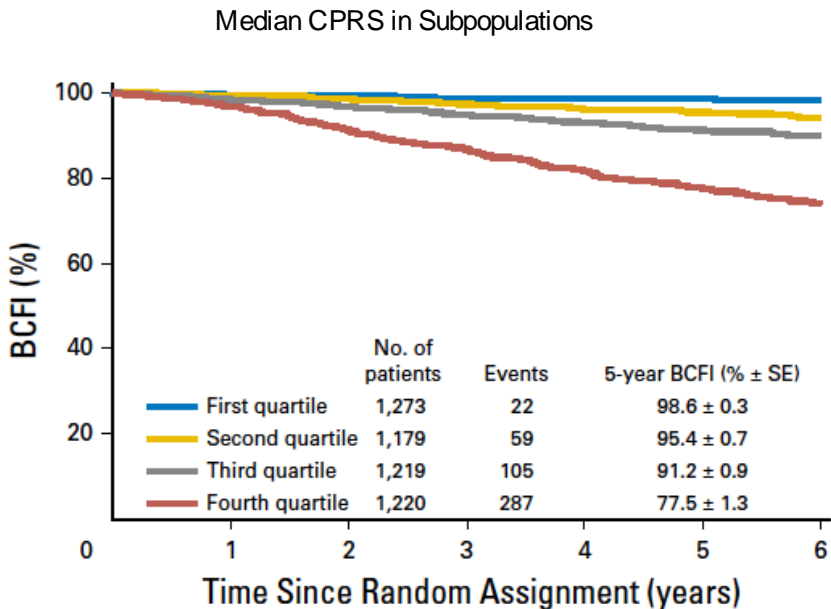
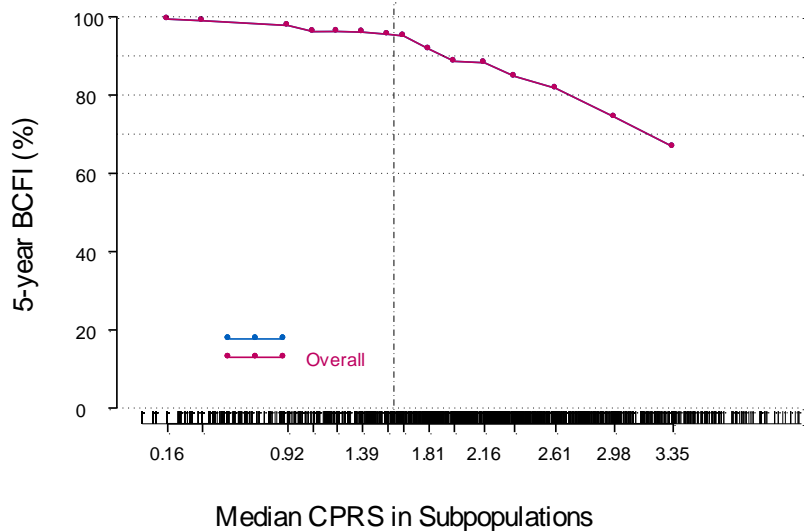
Cox Proportional Hazards Model for Defining the Composite Measure of Recurrence Risk

| Parameter | HR | 95% CI | P value |
|---------------------------------|-----|---------|---------|
| Age at random assignment, years | | | |
| <35 | 2.2 | 1.6-3.1 | <0.01 |
| 35-39 | 1.7 | 1.3-2.3 | <0.01 |
| 40-44 | 1.3 | 1.0-1.7 | NS |
| 45-49 | Ref | - | - |
| ≥50 | 1.2 | 0.7-1.8 | NS |
| No. of positive nodes | | | |
| 0 | Ref | - | - |
| 1-3 | 1.5 | 1.1-1.9 | <0.01 |
| ≥4 | 3.1 | 2.4-4.0 | <0.01 |
| Tumor grade | | | |
| 1 | Ref | - | - |
| 2 | 2.5 | 1.7-3.8 | <0.01 |
| 3 | 3.0 | 1.9-4.9 | <0.01 |

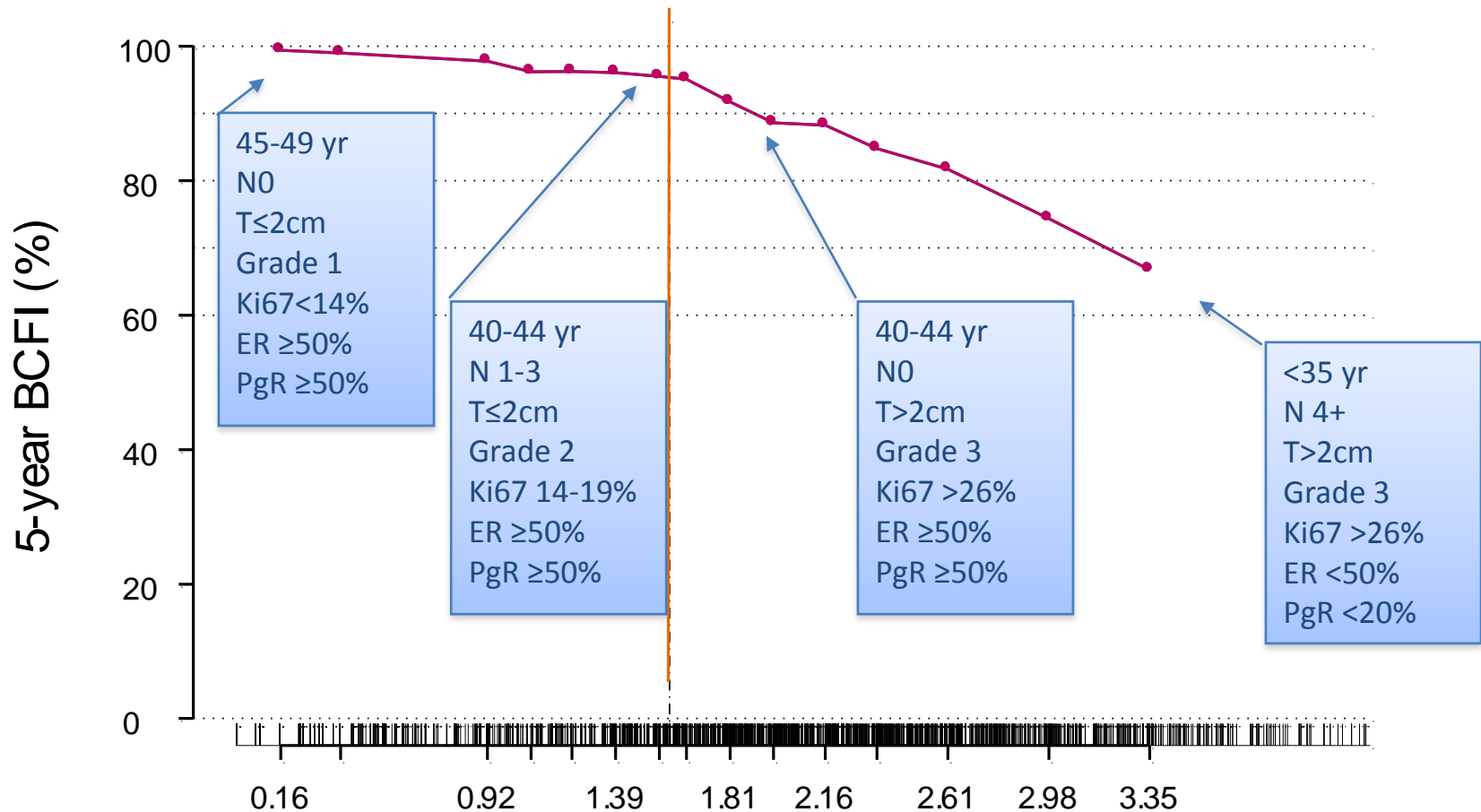
Cox Proportional Hazards Model for Defining the Composite Measure of Recurrence Risk (cont'd)

| Parameter | HR | 95% CI | P value |
|---------------------|-----|---------|---------|
| Tumor size, cm | | | |
| ≤2 | Ref | - | - |
| >2 | 1.5 | 1.2-1.9 | <0.01 |
| ER expression, % | | | |
| <50 | 1.3 | 0.9-1.8 | NS |
| ≥50 | Ref | - | - |
| PgR expression, % | | | |
| <20 | 1.6 | 1.2-2.0 | <0.01 |
| 20-49 | 1.3 | 1.0-1.7 | 0.06 |
| ≥50 | Ref | - | - |
| Ki-67 expression, % | | | |
| <14 | Ref | - | - |
| 14-19 | 1.1 | 0.7-1.6 | NS |
| 20-25 | 1.3 | 0.9-1.9 | NS |
| ≥26 | 1.6 | 1-2.3 | 0.03 |

STEPP of 5-year BCFI according to Composite Risk Score: Overall HER2-negative

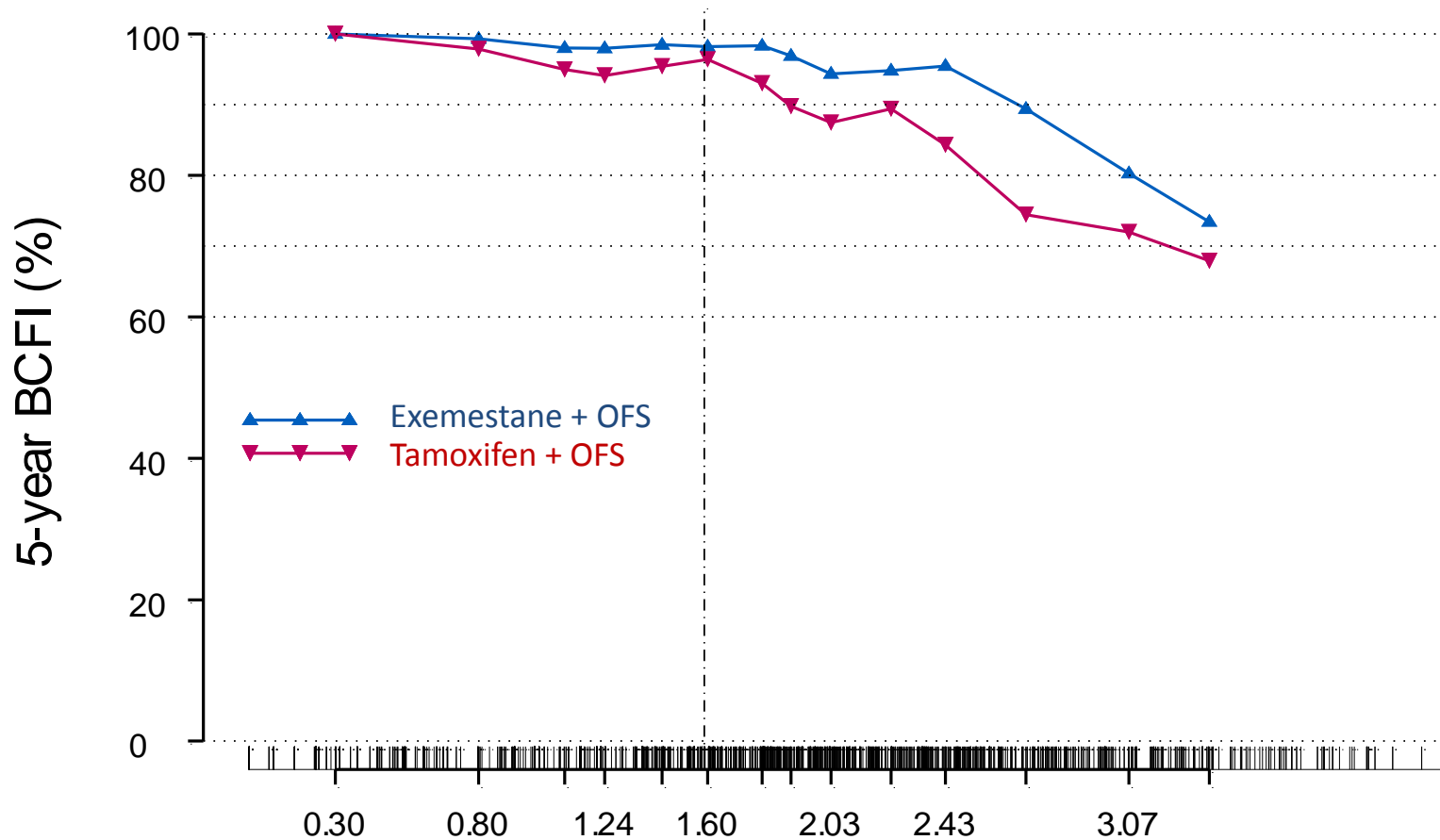


STEPP of 5-year BCFI according to Composite Risk Score: Overall HER2-negative



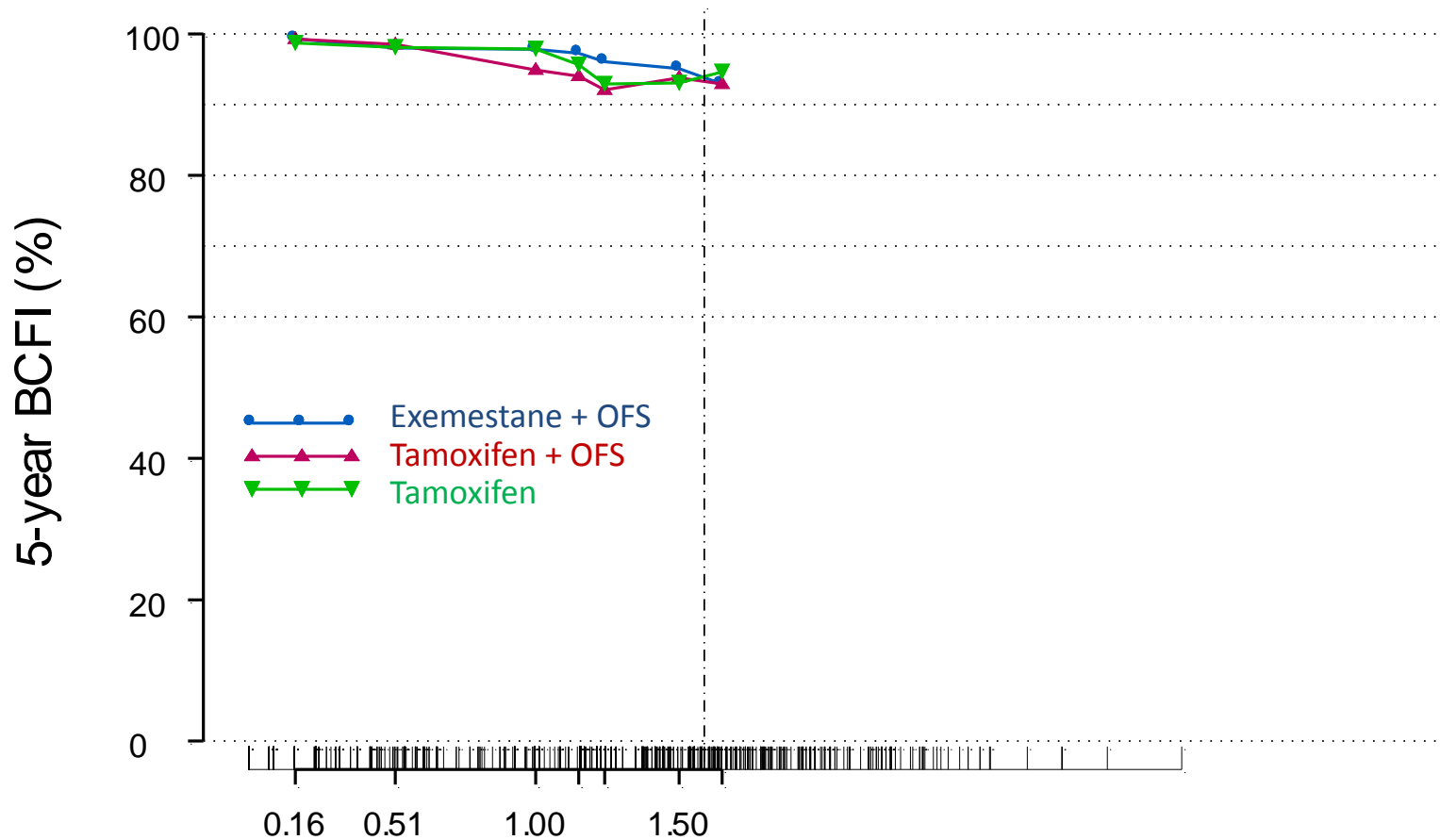
Median Composite Risk Score in Subpopulations

STEPP of 5-year BCFI according to Composite Risk Score: TEXT +/- Chemo



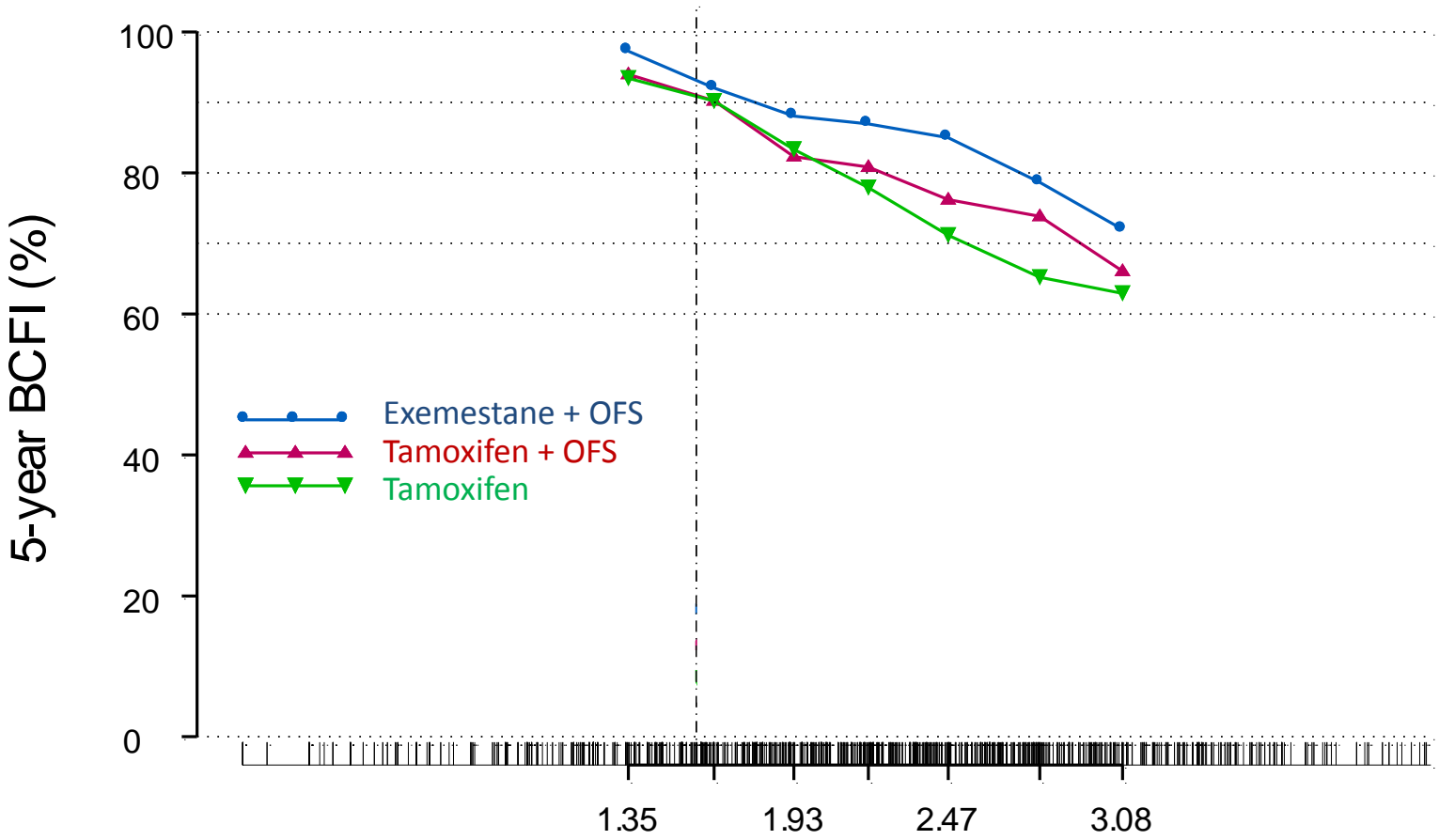
Median Composite Risk Score in Subpopulations

STEPP of 5-year BCFI according to Composite Risk Score: SOFT No Chemo



Median Composite Risk Score in Subpopulations

STEPP of 5-year BCFI according to Composite Risk Score: SOFT Prior Chemo



Median Composite Risk Score in Subpopulations

Absolute benefit (AB) in 5-year BCFI and NNT according to clinical scenario

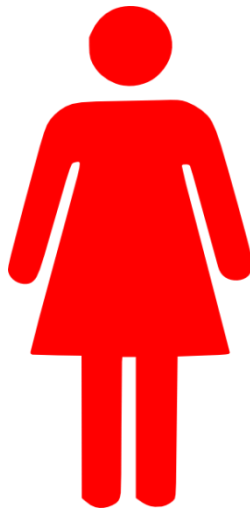


SOFT No-Chemo

5-year BCFI 96.1%

Pts did well with all endocrine therapies

*high composite risk
**low composite risk

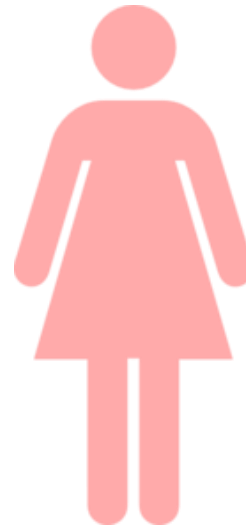


TEXT No-Chemo

OFS + E vs OFS + T
(AB 3.6%; NNT 27)

OFS + E vs OFS + T
(AB* 10%; NNT 10)

OFS + E vs OFS + T
(AB** 1%; NNT 100)

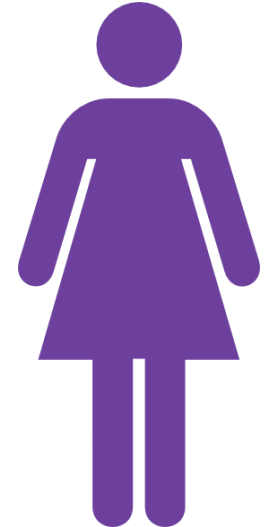


TEXT Chemo

OFS + E vs OFS + T
(AB 5.8%; NNT 17)

OFS + E vs OFS + T
(AB* 15%; NNT 6)

OFS + E vs OFS + T
(AB** 5%; NNT 20)



SOFT Chemo

OFS + E vs OFS + T
(AB 5.4%; NNT 18)

OFS + E vs T
(AB 7.4%; NNT 13)

OFS + T vs T
(AB* 5%; NNT 20)

REVIEW

Endocrine therapy in premenopausal women with breast cancer: a critical appraisal of current evidence

Filippo Montemurro^a, Lucia Del Mastro^b, Michele De Laurentiis^c and Fabio Puglisi^{d,e}

Table 1. Authors' suggestions on the optimal duration of tamoxifen therapy, the use of OFS, and the choice between tamoxifen plus OFS and exemestane plus OFS.

| | |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Which is the optimal duration of tamoxifen therapy?</i> | Well-grounded evidence shows the benefits of prolonging tamoxifen therapy up to 10 years, compared with stopping treatment at 5 years. Prolonged tamoxifen may however be associated with a potentially increased risk of endometrial cancer. |
| <i>Should OFS be prescribed to all premenopausal patients?</i> | Available evidence shows that the addition of OFS to tamoxifen or exemestane contributes to further reduce the risk of recurrence in moderate- and high-risk patients. |
| <i>Should exemestane plus OFS be preferred over tamoxifen plus OFS?</i> | Exemestane plus OFS prolongs DFS as compared with tamoxifen plus OFS. However, no advantages in OS were shown. Exemestane plus OFS is a reasonable option for higher-risk patients and for patients for whom tamoxifen should be avoided. |

DFS: disease-free survival; OFS: ovarian function suppression.

Grazie per l'attenzione!