

Study/Reference Quality Rating	Description of Treatment Arms	CONSORT Numbers Retention	Secondary Malignancies	Comments	Primary Abstractor Initials	Dual Abstractor Initials	sAntiheracycline	sCyclophosphamide	sTaxane
ENR1042 Crump (2003) National Cancer Institute of Canada Clinical Trials Group (NCIC-CT17) Adjuvant Chemotherapy Trial Fair	Intervention description: Women had been in trials with one of the following regimens... CEF: cyclophosphamide 700 mg/m ² , 900 mg/m ² or 1100 mg/m ² + epirubicin 70 mg/m ² + fluorouracil 500 mg/m ² CEF + G-C-SF: Cyclophosphamide 700 mg/m ² , 900 mg/m ² or 1100 mg/m ² + epirubicin 70 mg/m ² + fluorouracil 500 mg/m ² + G-CSF every 2 weeks x 12 cycles CMF AD: doxorubicin 60 mg/m ² + cyclophosphamide 600 mg/m ² every 3 weeks x 4 cycles Control description:	N recruited or assessed for eligibility: NR N eligible: 1,545 women CEF: 34.89% (530/1545) CEF+G-CSF: 6.28% (97/1545) CMF: 43.88% (678/1545) AC: 14.89% (229/1545) N excluded: NR N run-in: NA N randomized: NR N Analyzed: 1451 (based on Table 2) CEF: 34.80% (502/1451) CEF+G-CSF: 6.34% (93/1451) CMF: 45.76% (664/1451) AC: 15.30% (222/1451) Lost to Followup (XX mo), n (%): NR Withdrew consent (XX mo), n (%): NR	Incidence of Leukemia: Overall: 0.65% (10/1545) CEF: 1.30% (7/539) CMF: 0.16% (1/678) AC: 0.43% (1/231) Leukemia-Related Deaths Overall: 0.6% (9/16) CEF: 0.67% (4/6) CMF: 16.67% (1/6) AC: 16.67% (1/6)	Data not abstracted: interval to diagnosis; cumulative risk, leukemia by RT therapy	MSW (4/2)		TRUE	FALSE	FALSE
ENR1106 Campane (2005) French Adjuvant Study Group (FASG) Fair	Intervention description: Epirubicin-based treatment FEC 50: 50% of patients FEC 75: 7% FEC 100: 19% Epirubicin-epidoxine: 9% Weekly single agent epirubicin: 6% Control description: Patients not receiving adjuvant epirubicin	N recruited or assessed for eligibility: NR N eligible: NR N excluded: NR N run-in: NA if no run-in period N randomized: NR N Analyzed: Total: 3653 IG: 2603 CG: 1050 Lost to Followup (XX mo), n (%): Total: IG: CG: Withdrew consent (XX mo), n (%): Total: IG: CG:	Incidence of Leukemia: 0.31% (9/2603) Incidence of myelodysplastic syndrome: 0% (0/2603) Leukemia-related deaths: 62.5% (5/8)	Data not abstracted: patient age of leukemia cases; onset period; cumulative dose; 3 year cumulative incidence of secondary leukemia; incidence rates of secondary leukemia by epirubicin dose	MSW (4/7)		TRUE	FALSE	FALSE
ENR1131 Praga (2005) Fair + <i>Analysis of multiple trials; we have already abstracted some - need to pull others and determine whether to use this pooled analysis</i>	The trials contained 44 different treatment arms, and these arms were pooled into 5 groups. Intervention description: Epirubicin-containing chemotherapy regimens (epirubicin dose/cycle of ≥ 100 mg/m ² or epirubicin dose/cycle of ≥ 100 mg/m ²) Control description: Non-epirubicin-containing treatment (chemotherapy not including epirubicin, hormone therapy without chemotherapy or no chemotherapy or hormone therapy)	N recruited or assessed for eligibility: N eligible: 10,111 patients (all those randomized across 19 trials) N excluded: Total: IG: CG: N run-in: NA if no run-in period N randomized: NA N Analyzed: 9,796 patients IG: 7,110 CG: 2,686 Lost to Followup (XX mo), n (%): NR Withdrew consent (XX mo), n (%): NR	Incidence of AML/MDS: Total: 0.31% (30/9796) IG (breast): 0.30% (28/7110) IG (epirubicin ≥ 100 mg/m ² per cycle): 11 cases IG (epirubicin ≥ 100 mg/m ² per cycle): 17 cases CG: 0.07% (2/2686) CG (chemo w/o epirubicin): 1 case CG (hormone therapy): 1 case CG (surgery w/out RT): 0 cases Timing to AML/MDS diagnosis IG: median 33 months (range: 8-126 months) IG: median 29.5 months (range: 8-126) CG: median 73 months (range: 72-74) AML/MDS-related deaths Total: 16.7% (5 deaths/30 diagnoses) IG: 14.3% (4/28) CG: 50% (1/2)	Data not abstracted: age at first adjuvant tx for patients developing AML/MDS; epirubicin/cyclophosphamide dose; results to tamoxifen, RT; G-CSF; prior breast cancer recurrence; AML/MDS rate by risk factors (age, RT, tamox, G-CSF); cumulative probability of AML/MDS at 3, 5, 8 years We have already abstracted some of the original studies for this analysis (Piccart; Bernard-Marty; Levine; Crump) - PULL OTHERS TO REVIEW	MSW (4/8)		TRUE	FALSE	FALSE
ENR1141 Venturini (2005) Good	Intervention description: IG: FEC14 (fluorouracil 400 mg/m ² + epirubicin 60 mg/m ² + cyclophosphamide 600 mg/m ² every 14 days x 6 courses, with the addition to filgrastim Control description: CG: FEC21 (fluorouracil 600 mg/m ² + epirubicin 60 mg/m ² + cyclophosphamide 600 mg/m ² every 21 days x 6 courses	N recruited or assessed for eligibility: N eligible: N run-in: NA if no run-in period N randomized: 1,214 patients IG: 604 patients CG: 610 patients N ineligible: 40 patients IG: 23 patients CG: 17 patients N Analyzed: 1,214 patients IG: 604 patients CG: 610 patients Lost to Followup: 10.8% (132/992 living patients) IG: CG: Withdrew consent (XX mo), n (%): Total: IG: CG:	Incidence of Any Second Primary Cancer (after 10.4 years): Total: 4.7% (57/1214) IG: 4.8% (29/604) CG: 4.6% (28/610) Incidence of Second Primary Breast Cancer (after 10.4 years): Total: 2.1% (26/1214) IG: 2.0% (12/604) CG: 2.3% (14/610) Incidence of Second Primary Non-Breast Cancer (after 10.4 years): Total: 2.6% (31/1214) IG: 2.8% (17/604) CG: 2.3% (14/610)		MSW (4/8)		TRUE	FALSE	FALSE
ENR1214 Ferguson (2007) Good <i>Systematic review - pull original articles</i>	Intervention description: Any chemotherapy regimen containing taxane Control description: Any chemotherapy regimen that did not contain a taxane	N recruited or assessed for eligibility: NA N eligible: NA Total: IG: CG: N excluded: NA N run-in: NA if no run-in period N randomized: NA N Analyzed: NA Lost to Followup (XX mo), n (%): NA Withdrew consent (XX mo), n (%): NA	Based on Analysis 9.4 (page 53) Incidence of Secondary Leukemia/MDS: Total: 0.34% (48/14148) IG: 0.38% (25/7093) CG: 0.33% (23/7096)	Reports median ttiu for the different studies, but the analysis does not indicate when the secondary malignancies occurred. One of the 7 included studies is only an abstract; have pulled the other 6 studies for review	MSW (4/8)		FALSE	FALSE	FALSE
ENR1263 Francis (2008) Good	Intervention description: Control description:	N recruited or assessed for eligibility: N eligible: Total: IG: CG: N excluded: Total: IG: CG: N run-in: NA if no run-in period Total: IG: CG: N randomized: Total: IG: CG: N Analyzed: Total: IG: CG: Lost to Followup (XX mo), n (%): Total: IG: CG: Withdrew consent (XX mo), n (%): Total: IG: CG:	Number of patients: Number of cancers: Cancer types: Deaths related to SM:				FALSE	FALSE	FALSE
ENR1265 Goldstein (2008) Good							FALSE	FALSE	FALSE
ENR1273 Liu (2008) Fair							FALSE	FALSE	FALSE
ENR1399 Martin (2010) (Parent article ENR1874 Martin, 2006) Good							FALSE	FALSE	FALSE
ENR1463 Kaplan (2011) Fair							FALSE	FALSE	FALSE

[illegible]