

亞東紀念醫院

Breast Cancer

化學治療處方集

2008-08 制定

最近修改日期：2015-01

Breast cancer 化學治療處方參考集

2008-08 制定 2015-01 最後修定

Adjuvant

【CMF】

【Classic CMF】

Cyclophosphamide 100mg/m² PO qd; D1-D14
Methotrexate 40mg/m² in N/S 100 ml IV drip 30 mins; D1, D8
5-fluorouracil 600mg/m² in N/S 100 ml IV drip 30 mins; D1,D8
Six cycles, repeated every 4 weeks

【IV CMF】

Cyclophosphamide 600 mg/m² in N/S 100 ml IV drip 30 mins D1
Methotrexate 40 mg/m² in N/S 100 ml IV drip 30 mins D1
5-fluorouracil 600 mg/m² in N/S 100 ml IV drip 30 mins D1
Six cycles, repeated every 3 weeks

【IV CMF】

Cyclophosphamide 600 mg/m² in N/S 100 ml IV drip 30 mins,D1,8
Methotrexate 40 mg/m² in N/S 100 ml IV drip 30 mins, D1,8
5-fluorouracil 600 mg/m² in N/S 100 ml IV drip 30 mins, D1,8
Six cycles, repeated every 4 weeks

References :

1. N Engl J Med 1995; 332:901-6
2. Annals of Oncology 1996; 7: 481-485
3. JCO 1996;14:34-45

Adjuvant

【Trastuzumab-containing regimen】

【AC followed by TH】

Adriamycin $60\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Cyclophosphamide $600\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30mins
Four cycles, repeated every 3 weeks, then
Paclitaxel $225\text{mg}/\text{m}^2$ in N/S 500ml IV drip 3hrs
Four cycles, repeated every 3 weeks, concomitant with
Trastuzumab $4\text{mg}/\text{kg}$ loading in first week, then $2\text{mg}/\text{kg}$ in N/S 250 ml IV drip 2hrs
since second week, weekly, total 52 weeks

【FinHer Protocol】

Docetaxel $100\text{mg}/\text{m}^2$ in N/S 250 ml IV drip 1 hr
Three cycles, repeated every 3 weeks, concomitant with
Trastuzumab $4\text{mg}/\text{kg}$ loading in first week, then $2\text{mg}/\text{kg}$ since second week,
weekly, in N/S 250 ml IV drip 2hrs, total 9 weeks, then
Cyclophosphamide $500\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Epirubicin $75\text{-}100\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
5-fluorouracil $500\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Three cycles, repeated every 3 weeks

【Chemotherapy followed by Trastuzumab】

Approved adjuvant chemotherapy regimen for at least 4 cycles
Followsd by
Trastuzumab $8\text{mg}/\text{kg}$ iv drip loading for 1st week
Then $6\text{mg}/\text{kg}$ iv drip every 21days totally for 1 year

References :

1. N Engl J Med 2005;353:1673-84
2. N Engl J Med 2006;354:809-20
3. N Engl J Med 2005;353;1659-72
4. The Lancet 2007;369;29-36

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Adjuvant

【Anthracycline-based】

【AC】

Adriamycin $60\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Cyclophosphamide $600\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30mins
Four cycles, repeated every 3 weeks

【CAF】

Cyclophosphamide $100\text{ mg}/\text{m}^2$ PO qd; D1-D14
Doxorubicin $30\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins; D1, D8
5-fluorouracil $500\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins; D1,D8
Six cycles, repeated every 4 weeks

【FAC】

Cyclophosphamide $500\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Doxorubicin $50\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
5-fluorouracil $500\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Six cycles, repeated every 3 weeks

【CEF】

Cyclophosphamide $75\text{ mg}/\text{m}^2$ PO qd; D1-D14
Epirubicin $75\text{-}100\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins; D1,D8
5-fluorouracil $500\text{ mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins; D1,D8
Six cycles, repeated every 4 weeks

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Adjuvant

【FEC】

Cyclophosphamide 500 mg/m² in N/S 100–250 ml IV drip 30 mins *

Epirubicin[△] 75-100 mg/m² in N/S 100–250 ml IV drip 30 mins *

5-fluorouracil 500 mg/m² in N/S 100–250 ml IV drip 30 mins *

Six cycles, repeated every 3 weeks

* Infusion Rate could be subjective to doctor's discretion.

△ Lower dose would be needed for elderly patients.

References :

1. J Clin Oncol 1990; 8:1483-1496
2. J Clin Oncol 2005; 23:8313-8321
3. Annals of Oncology 2003; 14: 833–842
4. J Clin Oncol 2005; 23:5166-5170
5. J Clin Oncol 2005; 23:2686-2693

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Adjuvant

【Taxane-containing】

【AC followed by Paclitaxel】

Adriamycin $60\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Cyclophosphamide $600\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30mins
Four cycles, repeated every 3 weeks, then
Paclitaxel $225\text{mg}/\text{m}^2$ in N/S 500ml IV drip 3hrs
Four cycles, repeated every 3 weeks

【FEC followed by Doxetaxel】

Cyclophosphamide $500\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Epirubicin $75\text{-}100\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
5-fluorouracil $500\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
3–4 cycles, repeated every 3 weeks, then
Docetaxel $75\text{-}100\text{mg}/\text{m}^2$ in N/S 250 ml IV drip 1 hr
3–4 cycles, repeated every 3 weeks

【TAC】

Docetaxel $75\text{mg}/\text{m}^2$ in N/S 250 ml IV drip 60 mins
Doxorubicin $50\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Cyclophosphamide $500\text{mg}/\text{m}^2$ in N/S 100 ml IV drip 30 mins
Six cycles, repeated every 3 weeks

【TC】

Docetaxel $75\text{mg}/\text{m}^2$ in N/S 250ml iv drip 60 mins
Cyclophosphamide $600\text{mg}/\text{m}^2$ in N/S 100ml iv drip 30 mins

References :

1. J Clin Oncol 2005; 23:3686-3696
2. J Clin Oncol 2006; 24:5664-5671
3. N Engl J Med 2005;352:2302-13

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4. J Clin Oncol 2006; 24:5381-5387

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Metastatic

【Weekly Paclitaxel + Cisplatin】

Paclitaxel 80mg/m² (i.v. 1-hour) Day1,8,15

Cisplatin 40mg/m² (i.v. 24-hour) Day1,8

Repeated every 4 weeks

【Navelbine-HDFL】

Navelbine 20mg/m² (i.v. 10-mins) Day 1,8

(5-FU 2000mg/m²+Leucovorin 350mg/m²) (i.v. 24-hrs) Day 1,8

Repeated every 3 weeks

【FEC】

Cyclophosphamide 500 mg/m² in N/S 100 ml IV drip 30 mins

Epirubicin 75-100 mg/m² in N/S 100 ml IV drip 30 mins

5-fluorouracil 600 mg/m² in N/S 100 ml IV drip 30 mins

Repeated every 3 weeks

【Gemcitabine + Paclitaxel】

Gemcitabine 1000mg/m² (i.v. 30-mins) D1, 8

Paclitaxel 80mg/m² (i.v. 1-hr) D1, 8

Repeated every 3 weeks

【Docetaxel】

Docetaxel 75mg/m² (i.v. 1-hr) D1, every 3 weeks, or

Docetaxel 36mg/m² (i.v. 30-mins) D1, 8, 15, repeated every 4 weeks

【Trastuzumab-Docetaxel】

Docetaxel 75mg/m² (i.v. 1-hr) D1, every 3 weeks

Trastuzumab 4mg/kg loading (iv drip 2hrs) in first week, then 2mg/kg weekly, until disease progression

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Metastatic

【Lapatinib-capecitabine】

Lapatinib 1250mg/m² qd po, continuous

Capecitabine 2500mg/m², po, divided into two doses per day, day 1 through 14 of a 21-day cycle

Lapatinib 健保不給付

References :

1. Cancer 2002; 95: 2044-50
2. British Journal of Cancer 2005; 92: 1013-18
3. J Clin Oncol. 1998; 6: 679-688
4. J Clin Oncol. 2008; 26: 3950-7.
5. J Clin Oncol 2005; 23: 5542-5551
6. J Clin Oncol. 2005;23:4265-4274
7. N Engl J Med. 2006; 355: 2733-43

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Neoadjuvant

【FEC】

Cyclophosphamide 500 mg/m² in N/S 100 ml IV drip 30 mins
Epirubicin 75-100 mg/m² in N/S 100 ml IV drip 30 mins
5-fluorouracil 500 mg/m² in N/S 100 ml IV drip 30 mins
Essentially three cycles (adjusted as clinically indicated),
Repeated every 3 weeks

【TAC】

Docetaxel 75 mg/m² in N/S 250 ml IV drip 60 mins
Doxorubicin 50 mg/m² in N/S 100 ml IV drip 30 mins
Cyclophosphamide 500 mg/m² in N/S 100 ml IV drip 30 mins
Essentially three cycles (adjusted as clinically indicated),
Repeated every 3 weeks

【AT】

Doxorubicin 60mg/m² in N/S 100 ml iv drip 30 mins
Paclitaxel 175mg/m² in N/S 500ml iv drip 3 hrs
Essentially three cycles (adjusted as clinically indicated),
Repeated every 3 weeks

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【Transtuzumab-containing regimen】

【TH x 3 followed by FEC x 3】

Transtuzumab 4mg/kg(first dose) in N/S 100 ml IV drip 2 hrs

Then 2 mg/kg(subsequent dose) in N/S 100 ml IV drip 2 hrs

Weekly, nine cycles

Docetaxel 75 mg/m² in N/S 250 ml IVD 1 hr

Repeat 3 weeks, three cycles

Cyclophosphamide 500 mg/m² in N/S 100 ml IV drip 30 mins

Epirubicin 75-100 mg/m² in N/S 100 ml IV drip 30 mins

5-fluorouracil 600 mg/m² in N/S 100 ml IV drip 30 mins

Essentially three cycles (adjusted as clinically indicated),

Repeated every 3 weeks

References :

1. J Clin Oncol 2005; 23:2686-2693
2. N Engl J Med 2005;352:2302-13
3. J Clin Oncol 2004; 22:4958-4965