

BLADDER CANCER/TRANSITIONAL CELL CANCER

CARBOPLATIN – PACLITAXEL

Paclitaxel‡	225 mg/m ²	IV*	Day 1
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Followed by

Carboplatin	AUC 6**	IV***	Day 1
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‡Routine premedication administered; *Administer over 3 hours; **AUC calculated using the Calvert formula; ***Administer over 30 minutes.

Repeat cycle every 21 days to a maximum of 6 cycles.

Reference: [Dreicer R, et al. *Cancer* 2004;100:1639 – 45.](#)

CISPLATIN – DOCETAXEL

Docetaxel‡	75 mg/m ²	IV*	Day 1
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Cisplatin	75 mg/m ²	IV**	Day 1
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‡Routine premedication administered; *Administer over 1 hour; **Administer over 30 – 60 minutes with routine pre- and post-hydration.

Repeat cycle every 21 days for a maximum of 6 cycles.

Reference: [Garcia del Muro X, et al. *Br J Cancer* 2002;86:326 – 30.](#)

CISPLATIN – METHOTREXATE

Cisplatin	70 mg/m ²	IV*	Day 1
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Methotrexate	40 mg/m ²	IV	Days 8 and 15
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*Routine pre- and post-hydration should be administered.

DOSE MODIFICATION: Doses of cisplatin and methotrexate were reduced by 50% for a CrCL between 50 and 70mL/minute; Drugs were omitted if the CrCL less than 50 mL/minute. Methotrexate was omitted if the leukocyte count was less than $2.5 \times 10^9/L$ or the platelet count was less than $100 \times 10^9/L$.

Repeat cycle every 21 days to a maximum of 3 cycles if given adjuvantly.

Reference: [Lehmann J, et al. *J Clin Oncol* 2005;23:4963 – 74.](#)

CISPLATIN – PACLITAXEL

Paclitaxel‡	135 – 175 mg/m ²	IV*	Day 1
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Followed by

Cisplatin	70 – 75 mg/m ²	IV**	Day 1
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‡Routine premedication administered; *Administer over 3 hours; **Administer over 1 – 2 hours with routine pre- and post-hydration.

DOSE MODIFICATION: Cisplatin doses reduced by 25% when the SCr was greater than 1.5 mg/dL.

Repeat cycle every 21 days to a maximum of 6 cycles.

References: [Dreicer R, et al. *J Clin Oncol* 2000;18:1058 – 61](#); [Burch PA, et al. *J Urol* 2000;164:1538 – 42](#).

DOCETAXEL – GEMCITABINE

Docetaxel‡	40 mg/m ²	IV*	Days 1 and 8
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Followed by

Gemcitabine	800 mg/m ²	IV**	Days 1 and 8
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‡Routine premedication administered; *Administer over 1 hour; **Administer over 30 minutes.

Repeat cycle every 21 days for a maximum of 6 cycles.

Reference: [Dreicer R, et al. *Cancer* 2003;97:2743 – 7](#).

GEMCITABINE – CARBOPLATIN

Gemcitabine	1000 mg/m ²	IV	Days 1 and 8
Carboplatin	AUC 5*	IV	Day 1

*AUC calculated using the Calvert formula.

Repeat cycle every 21 days up to a maximum of 6 cycles.

Reference: [Carles J, et al. *Oncology* 2000;59:24 – 7](#).

GEMCITABINE – CISPLATIN

Gemcitabine	1000 mg/m ²	IV*	Days 1, 8 and 15
Cisplatin	70 mg/m ²	IV**	Day 2

*Administer over 30 to 60 minutes; **Routine pre- and -post hydration required.

Repeat cycle every 28 days up to a maximum of 6 cycles.

Reference: [von der Maase H, et al. *J Clin Oncol* 2000;17:3068 – 77](#).

MVAC (METHOTREXATE – VINBLASTINE – DOXORUBICIN – CISPLATIN)

Methotrexate	30 mg/m ²	IV	Days 1, 15 and 22
Vinblastine	3 mg/m ²	IV	Days 2, 15 and 22
Doxorubicin	30 mg/m ²	IV	Day 2
Cisplatin	70 mg/m ²	IV*	Day 2

*Routine pre-and post-hydration required.

NOTE: If neoadjuvant therapy, patients treated with radical cystectomy after 3 cycles of MVAC chemotherapy.

Repeat cycle every 28 days.

References: [Sternberg CN, et al. *J Clin Oncol* 2001;19:2638 – 46;](#) [Grossman HB, et al. *N Engl J Med* 2003;349:859 – 66.](#)

MVAC HIGH-DOSE (METHOTREXATE – VINBLASTINE – DOXORUBICIN – CISPLATIN)

Methotrexate	30 mg/m ²	IV	Day 1
Vinblastine	3 mg/m ²	IV	Day 2
Doxorubicin	30 mg/m ²	IV	Day 2
Cisplatin	70 mg/m ²	IV*	Day 2
G-CSF	240 mcg/m ²	SQ	Days 4 – 10

*Routine pre-and post-hydration required.

NOTE: If neoadjuvant therapy, patients treated with radical cystectomy after 3 cycles of MVAC chemotherapy.

Repeat cycle every 14 days until disease progression or unacceptable toxicities.

Reference: [Sternberg CN, et al. *J Clin Oncol* 2001;19:2638 – 46.](#)

PACLITAXEL – GEMCITABINE

Paclitaxel‡	200 mg/m ²	IV*	Day 1
Gemcitabine	1000 mg/m ²	IV**	Days 1, 8 and 15

‡Routine premedication administered; *Administer over 1 hour; **Administer over 30 minutes.

Repeat cycle every 21 days to a maximum of 6 cycles.

Reference: [Meluch AA, et al. *J Clin Oncol* 2001;19:3018 – 24.](#)

PEMETREXED

Pemetrexed

500 mg/m²

IV*

Day 1

*Administer over 10 minutes.

NOTE: Premedication with oral dexamethasone 4 mg twice daily for 3 days, beginning the day prior to the dose of pemetrexed, has significantly reduced the incidence and severity of rash.

Folic acid (dose 350 micrograms to 1 mg PO daily) and vitamin B₁₂ (1000 to 1500 micrograms IM every 9 weeks) supplementation should be prescribed 1 – 2 weeks before starting the first dose of pemetrexed.

Repeat cycle every 21 days until disease progression or unacceptable toxicities.

Reference: [Sweeney CJ, et al. *J Clin Oncol* 2006;24:3451 - 7.](#)