

台北榮總肺癌化療組套

V.3.0 2024

台北榮總肺癌團隊

2007/11/19制訂

2008/04/07第一次修訂

2008/07/21第二次修訂

2012/02/20第三次修訂

2015/07/28第四次修訂

2018/07/09第五次修訂

2019/05/20第六次修訂

2020/08/17第七次修訂

2024/02/05第八次修訂

Pemetrexed + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
 2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
 3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
 4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
 5. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 6. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
 7. Cisplatin 75 mg/m² in NS 500 ml IVD for 2 hrs
 8. 1/2 NS 500ml IVD 2 hrs
 9. If I>O more than 1500 ml or body weight increase over 1 kg per day, furosemide 20 mg IVA 10 mins st
- (Total IV volume: 1/2NS: 1500 ml, NS: 600 ml)

Pemetrexed + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
6. Carboplatin AUC=6 in NS 250 ml IVD for 1 hr
7. Run out the remaining NS
(Total IV volume: NS 850 ml)

Gemcitabine + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
5. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Gemcitabine 1200 mg/m² in NS 100 ml IVD for 30 mins
7. Cisplatin 75 mg/m² in NS 500 ml IVD for 2 hr
8. 1/2NS 500ml IVD 2 hrs
9. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st
(Total IV volume: 1/2NS: 1500 ml, NS: 600 ml)

Gemcitabine + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
4. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Gemcitabine 1200 mg/m² in NS 100 ml IVD for 30 mins
6. Carboplatin AUC =6 【dose=AUC X (CCr+25)】 in NS 250 ml IVD for 1 hr
7. Run out the remaining NS
(Total IV volume: NS: 850ml)

Oral Navelbin + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
4. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
5. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Cisplatin 75 mg/m² in 500 ml NS IVD for 2 hr
7. 1/2NS 500ml IVD 2 hrs
8. Vinorelbine (oral): 75 mg/m² (30mg__#, 20mg__#)
9. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2NS: 1500ml, NS: 500ml)

Oral Navelbin + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Carboplatin $AUC = 6$ 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
6. Run out the remaining NS
7. Vinorelbine (oral): 75 mg/m^2 (30mg __#, 20mg __#)
(Total IV volume: NS: 850ml)

Paclitaxel + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
4. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
5. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
6. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
7. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
8. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
9. Cisplatin 75 mg/m² in NS 500ml IVD for 2 hr
10. 1/2NS 500ml IVD 2 hrs
11. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2NS: 1500 ml, NS: 500 ml, D5W: 250 ml x2)

Paclitaxel + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
5. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
5. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
8. Carboplatin AUC = 6 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
9. Run out the remaining NS
(Total IV volume: NS: 750 ml, D5W: 250 ml x2)

Docetaxel + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
 2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
 3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
 4. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
 5. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 6. Docetaxel 60 mg/m² in NS 250 ml IVD for 1 hr
 7. Cisplatin 75 mg/m² in NS 500 ml IVD for 2 hr
 8. 1/2NS 500 ml IVD 2 hrs
 9. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st
- (Total IV volume: 1/2NS: 1500 ml, NS: 750 ml)

Weekly Paclitaxel + Cisplatin

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
5. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
6. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR (自費) Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Paclitaxel 80 mg/m² in D5W 250 ml glass bottle IVD with 0.22 um microfilter and NTG tube for 1 hr
(if it is the first time, paclitaxel should be infused with EKG monitoring)
8. Cisplatin 25 mg/m² in NS 500ml IVD for 2 hr
9. 1/2NS 500ml IVD 2 hrs
(Total IV volume: 1/2NS: 1500 ml, NS: 500 ml, D5W: 250 ml)

Docetaxel + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO
3. ST 1 hour before chemotherapy
3. Dexamethasone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Taxotere 60 mg/m² in NS 250 ml IVD for 1 hr
6. Carboplatin AUC =6 【dose=AUC X (CCr+25)】 in NS 250 ml IVD for 1 hr
7. Run out the remaining NS
(Total IV volume: NS: 1000ml)

Cisplatin + VP-16 (EP)

1. 1/2 NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA × 10 mins at the last 200 ml NS of hydration
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
5. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Cisplatin 75 mg/m² in NS 500 ml IVD × 2 hr
7. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD × 2 hrs
8. 1/2NS 500 ml IVD 2 hrs
9. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2 NS: 1500 ml, NS: 1000 ml)

Carboplatin + VP-16

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethasone 10 mg or Betamethasone 8 mg IVA × 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Carboplatin AUC =6 【dose=AUC X (CCr+25)】 in NS 250 ml IVD for 1 hr
6. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD × 2hrs
7. Run out the remaining NS

(Total IV volume: NS: 1500ml)

Topotecan + Epirubicin (TE)

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethasone 10 mg or Betamethasone 8 mg IVA × 10 mins at 30 mins before chemotherapy
3. Metoclopramide 20 mg IVA × 15 mins at 15 mins before chemotherapy
4. Topotecan 1.5 mg/m² IVD in NS 50 ml × 30 mins
5. Epirubicin 30 mg/m² in NS 500 ml IVD × 2 hrs
6. Run out the remaining NS
(Total IV volume: NS: 1000ml)

Gemcitabine

1. NS 500 ml IVD keep line for chemotherapy
 2. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
 3. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR (自費) Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 4. Gemcitabine 1200 mg/m² in NS 100 ml IVD for 30 mins
 5. Run out the remaining NS
- (Total IV volume: NS: 500 ml)

Oral Vinorelbine

1. Vinorelbine (oral): 60 mg/m² (30mg___#, 20mg___#)

Weekly Paclitaxel

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
3. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
4. Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins
5. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR (自費) Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Paclitaxel 80 mg/m² in D5W 250 ml glass bottle IVD with 0.22 um microfilter and NTG tube for 1 hr (if it is the first time, paclitaxel should be infused with EKG monitoring)
7. Run out the remaining NS
(Total IV volume: NS: 500 ml, D5W: 250 ml)

Docetaxel

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethasone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
3. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR (自費) Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
4. Docetaxel 40 mg/m² in NS 250 ml IVD for 1 hr
5. Run out the remaining NS
(Total IV volume: NS: 500ml)

Pemetrexed

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
3. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR (自費) Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
4. Pemetrexed 500 mg/m² in NS 100ml IVD for 10 mins st
5. Run out the remaining NS
(Total IV volume: NS: 500ml)

VP-16 (E)

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethasone 10 mg or Betamethasone 8 mg IVA \times 10 mins at 30 mins before chemotherapy
3. Metoclopramide 20 mg IVA 10 mins at 15 mins before chemotherapy
4. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD \times 2 hrs
5. Lorazepam 1 mg p.o. hs
6. Run out the remaining NS

(Total IV volume: NS: 1000ml)

Oral VP-16 (Oral E)

- Oral Etoposide 50mg QD × 10 days

Ifosfamide (I)

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethasone 10 mg IVA 10 mins at 30 mins before chemotherapy
3. Metoclopramide 20 mg IVA \times 15 mins at 15 mins before chemotherapy
4. Ifosfamide 1000 mg/m² in NS 500 ml IVD \times 2hrs
5. Uromitexan 400mg add in NS 100 ml for IVD \times 30 mins q2h \times 3 doses (at 0,2,4 hrs after Ifosfamide)
6. Lorazepam 1 mg hs

(Total IV volume: NS: 2000ml)

Topotecan (T)

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethasone 10 mg or Betamethasone 8 mg IVA × 10 mins at 30 mins before chemotherapy
3. Metoclopramide 20 mg IVA × 15 mins at 15 mins before chemotherapy
4. Topotecan 1.5 mg/m² IVD in NS 50 ml × 30 mins
5. Run out the remaining NS
(Total IV volume: NS: 500 ml)

Paclitaxel + Cisplatin + Bevacizumab (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
4. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
5. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
6. Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins
7. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
8. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
9. Cisplatin 75 mg/m² in NS 500ml IVD for 2 hr
10. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
11. 1/2NS 500ml IVD 2 hrs
12. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2NS: 1500 ml, NS: 600 ml, D5W: 250 ml x2)

Paclitaxel + Carboplatin + Bevacizumab (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
5. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
6. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs
(if it is the first time, paclitaxel should be infused with EKG monitoring)
8. Carboplatin AUC = 6 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
9. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
10. Run out the remaining NS

(Total IV volume: NS: 850 ml, D5W: 250 ml x2)

Pemetrexed + Cisplatin + Bevacizumab (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
5. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
7. Cisplatin 75 mg/m² in NS 500 ml IVD for 2 hrs
8. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
9. 1/2 NS 500ml IVD 2 hrs
10. If I>O more than 1500 ml or body weight increase over 1 kg per day, furosemide 20 mg IVA 10 mins st
(Total IV volume: 1/2NS: 1500 ml, NS: 700 ml)

Pemetrexed + Carboplatin + Bevacizumab (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
6. Carboplatin AUC=6 in NS 250 ml IVD for 1 hr
7. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
8. Run out the remaining NS
(Total IV volume: NS 950 ml)

Pembrolizumab (Q3W)

1. NS 500 ml IVD keep line
2. Pembrolizumab 200mg in NS 100ml IVD for 30mins
3. NS 100ml for Pembrolizumab

Nivolumab (Q2W)

1. NS 500 ml IVD keep line
2. Nivolumab ____mg (3mg/kg) in NS 250ml IVD for 30mins
3. NS 250ml for Nivolumab

Atezolizumab (Q3W)

1. NS 500 ml IVD keep line
2. Atezolizumab 1200mg in NS 250ml IVD for 60mins
3. NS 250ml for Atezolizumab

Durvalumab (Q2W)

1. NS 500 ml IVD keep line
2. Durvalumab ____ mg (10mg/kg) in NS 250ml IVD for 60mins
3. NS 250ml for Durvalumab

Pembrolizumab + Pemetrexed + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
 2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
 3. Pembrolizumab 200mg in NS 100ml IVD for 30mins
 4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
 5. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
 6. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 7. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
 8. Cisplatin 75 mg/m² in NS 500 ml IVD for 2 hrs
 9. 1/2 NS 500ml IVD 2 hrs
 10. If I>O more than 1500 ml or body weight increase over 1 kg per day, furosemide 20 mg IVA 10 mins st
- (Total IV volume: 1/2NS: 1500 ml, NS: 700 ml)

Pembrolizumab + Pemetrexed + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Pembrolizumab 200mg in NS 100ml IVD for 30mins
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant
PO ST 1 hour before chemotherapy
4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins
at 30 mins before chemotherapy
5. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR
Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or
Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
7. Carboplatin AUC=6 in NS 250 ml IVD for 1 hr
8. Run out the remaining NS
(Total IV volume: NS 950 ml)

Pembrolizumab + Paclitaxel + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
3. Pembrolizumab 200mg in NS 100ml IVD for 30mins
4. Aprepitant cap 80 mg PO QD x 3 days or or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
6. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
7. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
8. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
9. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
10. Cisplatin 75 mg/m² in NS 500ml IVD for 2 hr
11. 1/2NS 500ml IVD 2 hrs
12. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2NS: 1500 ml, NS: 600 ml, D5W: 250 ml x2)

Pembrolizumab + Paclitaxel + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Pembrolizumab 200mg in NS 100ml IVD for 30mins
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
5. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
6. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs
(if it is the first time, paclitaxel should be infused with EKG monitoring)
8. Carboplatin AUC = 6 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
9. Run out the remaining NS
(Total IV volume: NS: 850 ml, D5W: 250 ml x2)

Atezolizumab + Bevacizumab + Paclitaxel + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Atezolizumab 1200 mg in NS 250ml IVD for 60mins
3. Bevacizumab 7.5 mg/kg in NS 100 ml IVD for 90 mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
6. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
7. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
8. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
9. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
10. Carboplatin AUC = 6 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
11. Run out the remaining NS
(Total IV volume: NS: 1100 ml, D5W: 250 ml x2)

Atezolizumab + Bevacizumab + Paclitaxel + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
 2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
 3. Atezolizumab 1200 mg in NS 250ml IVD for 60mins
 4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
 5. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
 6. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
 7. **Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins**
 8. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 9. Paclitaxel 175 mg/m² in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
 10. Cisplatin 75 mg/m² in NS 500ml IVD for 2 hr
 11. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
 12. 1/2NS 500ml IVD 2 hrs
 13. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st
- (Total IV volume: 1/2NS: 1500 ml, NS: 600 ml, D5W: 250 ml x2)

Atezolizumab + Pemetrexed + Cisplatin + Bevacizumab (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
3. Atezolizumab 1200 mg in NS 250ml IVD for 60mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
6. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
8. Cisplatin 75 mg/m² in NS 500 ml IVD for 2 hrs
9. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
10. 1/2 NS 500ml IVD 2 hrs
11. If I>O more than 1500 ml or body weight increase over 1 kg per day, furosemide 20 mg IVA 10 mins st
(Total IV volume: 1/2NS: 1500 ml, NS: 950 ml)

Pemetrexed + Carboplatin + Bevacizumab (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Pemetrexed 500 mg/m² in NS 100 ml IVD for 10 mins
6. Carboplatin AUC=6 in NS 250 ml IVD for 1 hr
7. Avastin 7.5 mg/kg in NS 100 ml IVD for 30 mins
8. Run out the remaining NS
(Total IV volume: NS 950 ml)

Atezolizumab + Carboplatin + VP-16 (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. 1/2NS 1000ml IVD 2hr
3. Atezolizumab 1200mg in NS 250ml IVD for 60 mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethasone 10 mg or Betamethasone 8 mg IVA × 10 mins at 30 mins before chemotherapy
6. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Carboplatin AUC =5 【dose=AUC X (CCr+25)】 in NS 250 ml IVD for 1 hr
8. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD × 2hrs
9. Run out the remaining NS

(Total IV volume: NS: 1500ml)

Atezolizumab + Cisplatin + VP-16

1. 1/2 NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA × 10 mins at the last 200 ml NS of hydration
3. Atezolizumab 1200mg in NS 250ml IVD for 60 mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
6. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Cisplatin 75 mg/m² in NS 500 ml IVD × 4 hr
8. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD × 2 hrs
9. 1/2NS 500 ml IVD 2 hrs
10. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st
(Total IV volume: 1/2 NS: 1500 ml, NS: 1000 ml)

Durvalumab + Carboplatin + VP-16

1. NS 500 ml IVD keep line for chemotherapy
2. 1/2NS 1000ml IVD 2hr
3. Durvalumab 1500 mg in N/S 250 ml IVD for 60 mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethasone 10 mg or Betamethasone 8 mg IVA x 10 mins at 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
5. Carboplatin AUC =5 【dose=AUC X (CCr+25)】 in NS 250 ml IVD for 1 hr
6. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD x 2hrs
7. Run out the remaining NS

(Total IV volume: NS: 1500ml)

Durvalumab + Cisplatin + VP-16

1. NS 500 ml IVD keep line for chemotherapy
2. 1/2NS 1000ml IVD 2hr
3. Durvalumab 1500 mg in N/S 250 ml IVD for 60 mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
6. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Cisplatin 75 mg/m² in NS 500 ml IVD × 4 hr
8. Etoposide (VP-16) 75 mg/m² in NS 500 ml IVD × 2 hrs
9. 1/2NS 500 ml IVD 2 hrs
10. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2 NS: 1500 ml, NS: 1000 ml)

Ramucirumab + Taxotere (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Dexamethasone 5 mg iv st 30 mins before chemotherapy
3. Allermin 1 amp iv st 30 mins before chemotherapy
4. Metoclopramide 20 mg IVA 30 mins before chemotherapy
5. Docetaxel _____ mg (60 mg/m²) in NS 250 ml IVD for 1 hr
6. Ramucirumab __ (10mg/kg) in NS up to 250ml ivd 1 hr via NTG set (Total 250ml run 1 hr)
7. NS 250ml for ramucirumab
8. Run out the remaining NS
(Total IV volume: NS: 500ml)

Ramucirumab + Erlotinib (Q2W)

1. NS 500 ml IVD keep line for chemotherapy
2. Allermin 1 amp iv st 30 mins before chemotherapy
3. Ramucirumab __ (10mg/kg) in NS up to 250ml ivd 1 hr via NTG set (Total 250ml run 1 hr)
4. NS 250ml for ramucirumab
5. Run out the remaining NS

TS-1 capsules 20 mg

1. TS-1 ____# (20mg/capsule) BID
2. Mosapride 1# TIDPRN

UFUR capsules

1. UFUR ____# (tegafur 100mg, uracil 224mg /capsule) BID
2. Mosapride 1# TIDPRN

Afatinib

- Afatinib 1# QD
- Loperamide 1#Q4HPRN

Erlotinib

- Erlotinib 1# QD
- Loperamide 1#Q4HPRN

Gefitinib

- Gefitinib 1# QD
- Loperamide 1#Q4HPRN

Osimertinib

- Osimertinib 80mg 1tab QD PO

Dacomitinib

- Dacomitinib 30mg 1tab QD PO
- Loperamide 1#Q4HPRN

Crizotinib

- Crizotinib 250mg 1tab BID PO

Ceritinib

- Ceritinib 150mg 3tabs QDCC PO

Alectinib

- Alectinib 150mg 4tabs BID PO

Brigatinib

- Brigatinib 30mg 6 tabs QD PO

Lorlatinib

- Lorlatinib 25mg 4 tabs QD PO

Tepotinib

- Tepotinib 225mg 2 tabs QD PO

Entrectinib

- Entrectinib 200mg 3 tabs QD PO

Capmatinib

- Capmatinib 200mg 2 tabs BID PO

Dabrafenib+Trametinib

- Dabrafenib 75mg 2 tabs BID PO
- Trametinib 2mg 1 tab QD PO

Selpercatinib

- Selpercatinib 80mg 2 tabs BID PO

Amivantamab (Cycle 1 and Cycle 2)

1. NS 500 ml IVD keep line for chemotherapy, run out after amivantamab
2. Dexamethasone 5 mg iv st 30 mins before amivantamab
3. Allermin 1 amp iv st 30 mins before amivantamab
4. Acetaminophen 1 tab PO 30 mins before amivantamab
5. Amivantamab _____mg (350 mg/7ml)in D5W 250 ml IVD for 4 hrs in D5W 250 cc, IVD 50mg/hr 2 hrs, then 75mg/hr if no AE in Cycle1 Day1
6. Amivantamab _____mg (350 mg/7ml)in D5W 250 ml IVD for 4 hrs in D5W 250 cc, IVD 50mg/hr 2 hrs, then 75mg/hr if no AE in Cycle 1 Day 2
7. Amivantamab _____mg (350 mg/7ml)in D5W 250 ml IVD for 4 hrs in D5W 250 cc, IVD 85mg/hr 3 hrs in Cycle 2
8. D5W 250ml for amivantamab

(Total IV volume: NS: 500ml, D5W 250ml)

Amivantamab (Q2W, other cycles)

1. NS 500 ml IVD keep line for chemotherapy, run out after amivantamab
2. Dexamethasone 5 mg iv st 30 mins before amivantamab
3. Allermin 1 amp iv st 30 mins before amivantamab
4. Acetaminophen 1 tab PO 30 mins before amivantamab
5. Amivantamab _____mg (350 mg/7ml) in D5W 250 ml IVD 125 mL/hr for 2 hrs
6. D5W 250ml for amivantamab

(Total IV volume: NS: 500ml, D5W 250ml)

Trastuzumab deruxtecan (Q3W)

1. D5W 500 ml IVD for premedication and keep line
2. Allermin 1 amp st before Trastuzumab deruxtecan
3. Trastuzumab deruxtecan _____ mg (5.4mg/kg) in D5W 100 ml IVD for 30 mins with NTG set 【避光&Filter set】
4. D5W 100 ml IVD ST for Trastuzumab deruxtecan

(Total IV volume: D5W 600ml)

Lurbinectedin (Q3W)

1. NS 500 ml IVD for drug
2. NS 500 ml IVD keep line, run out the remaining NS after Lurbinectedin
3. Dexamethasone 10 mg IVD 10 mins at 30 mins before Lurbinectedin
4. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR (自費) Granisetron 3 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before lurbinectedin
5. Lurbinectedin ___mg($3.2\text{mg}/\text{m}^2$) in D5W 250ml IVD for 60 mins(需使用0.22 PES Filter)
6. D5W 250 ml lfor lurbinectedin

(Total IV volume: NS 500ml, D5W 250ml)

Nivolumab (Q2W) +Ipilimumab (Q6W)

1. NS 500 ml IVD keep line
2. Nivolumab ___mg (3mg/kg) in NS 250ml IVD for 30mins
3. NS 250ml for Nivolumab
4. Allermin 1 amp iv st 30 mins before immunotherapy
5. Ipilimumab ____mg (1mg/kg) in NS 250ml IVD for 90 mins
6. NS 250 ml for Ipilimumab

Nivolumab + Paclitaxel + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
3. Nivolumab 360mg in NS 250ml IVD for 30mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
5. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
6. Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins before chemotherapy
7. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
8. Paclitaxel ___ mg (175mg/m²) in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
9. Cisplatin 75 mg/m² in NS 500ml IVD for 2 hr
10. 1/2NS 500ml IVD 2 hrs
11. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

(Total IV volume: 1/2NS: 1500 ml, NS: 750 ml, D5W: 250 ml x2)

Nivolumab + Paclitaxel + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Nivolumab 360mg in NS 250ml IVD for 30mins
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
5. Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins
6. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Paclitaxel ___ mg (175mg/m²) in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs
(if it is the first time, paclitaxel should be infused with EKG monitoring)
8. Carboplatin AUC = 6 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
9. Run out the remaining NS

(Total IV volume: NS: 1000 ml, D5W: 250 ml x2)

Nivolumab + Pemetrexed + Cisplatin (Q3W)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
 2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
 3. Nivolumab 360mg in NS 250ml IVD for 30mins
 4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
 5. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
 6. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 7. Pemetrexed ___mg(500 mg/m²) in NS 100 ml IVD for 10 mins
 8. Cisplatin ___mg (75 mg/m²) in NS 500 ml IVD for 2 hrs
 9. 1/2 NS 500ml IVD 2 hrs
 10. If I>O more than 1500 ml or body weight increase over 1 kg per day, furosemide 20 mg IVA 10 mins st
- (Total IV volume: 1/2NS: 1500 ml, NS: 700 ml)

Nivolumab + Pemetrexed + Carboplatin (Q3W)

1. NS 500 ml IVD keep line for chemotherapy
2. Nivolumab 360mg in NS 250ml IVD for 30mins
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant
PO ST 1 hour before chemotherapy
4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins
at 30 mins before chemotherapy
5. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR
Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or
Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
6. Pemetrexed ___mg(500 mg/m²) in NS 100 ml IVD for 10 mins
7. Carboplatin _____ mg (AUC=6) in NS 250 ml IVD for 1 hr
8. Run out the remaining NS
(Total IV volume: NS 950 ml)

Nivolumab+ Ipilimumab+Paclitaxel + Cisplatin (Cycle 1 and 2)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
2. Furosemide 20 mg IVA 10 mins at the last 200 ml 1/2NS of hydration
3. Nivolumab 360mg in NS 250ml IVD for 30mins
4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
5. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
5. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
6. Ipilimumab ____mg (1mg/kg) in NS 250ml IVD for 90 mins in cycle 1 day 1
7. Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins
8. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
9. Paclitaxel__mg (175 mg/m²) in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs (if it is the first time, paclitaxel should be infused with EKG monitoring)
10. Cisplatin 75 mg/m² in NS 500ml IVD for 2 hr
11. 1/2NS 500ml IVD 2 hrs
12. If I>O more than 1500 ml or body weight increase over 1 kg per day, Furosemide 20 mg IVA 10 mins st

Nivolumab+ Ipilimumab+Paclitaxel + Carboplatin (Cycle 1 and 2)

1. NS 500 ml IVD keep line for chemotherapy
2. Nivolumab 360mg in NS 250ml IVD for 30mins
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
3. Dexamethsone 10 mg or Betamethasone 8mg IVA 10 mins at 30 mins before chemotherapy
4. Chlorampheniramine 5 mg IVA 10 mins at 30 mins before chemotherapy
5. Ipilimumab ____mg (1mg/kg) in NS 250ml IVD for 90 mins in cycle 1 day 1
6. Ranitidine 50 mg or Famotidine 20 mg IVA or Famotidine 20mg 1 tab PO 15 mins at 30 mins
7. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
8. Paclitaxel___mg(175 mg/m²) in D5W 250 ml glass bottle x2 IVD with 0.22 um microfilter and NTG tube for 3 hrs
(if it is the first time, paclitaxel should be infused with EKG monitoring)
9. Carboplatin AUC = 6 【dose=AUC X (CCr +25)】 in NS 250 ml IVD for 1 hr
9. Run out the remaining NS

Nivolumab+ Ipilimumab+Pemetrexed + Cisplatin (Cycle 1 and 2)

1. 1/2NS 1000 ml IVD 4-6 hrs for hydration
 2. Furosemide 20 mg IVA 10 min at the last 200 ml 1/2NS of hydration
 3. Nivolumab 360mg in NS 250ml IVD for 30mins
 4. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant PO ST 1 hour before chemotherapy
 5. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins at 30 mins before chemotherapy
 6. Ipilimumab ____mg (1mg/kg) in NS 250ml IVD for 90 mins in cycle 1 day 1
 7. Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
 8. Pemetrexed ____mg(500 mg/m²) in NS 100 ml IVD for 10 mins
 9. Cisplatin ____mg (75 mg/m²) in NS 500 ml IVD for 2 hrs
 10. 1/2 NS 500ml IVD 2 hrs
 11. If I>O more than 1500 ml or body weight increase over 1 kg per day, furosemide 20 mg IVA 10 mins st
- (Total IV volume: 1/2NS: 1500 ml, NS: 700 ml)

Nivolumab+ Ipilimumab+Pemetrexed + Carboplatin (Cycle 1 and 2)

1. NS 500 ml IVD keep line for chemotherapy
2. Nivolumab 360mg in NS 250ml IVD for 30mins
3. Aprepitant cap 80 mg PO QD x 3 days or Palonosetron/netupitant
PO ST 1 hour before chemotherapy
4. Dexamethasone 10 mg or Betamethasone 8 mg IVA 10 mins
at 30 mins before chemotherapy
5. Ipilimumab ____mg (1mg/kg) in NS 250ml IVD for 90 mins in cycle
1 day 1
6. Metoclopramide 20 mg IVA 15 mins + Biperiden 2 mg PO OR
Granisetron 3 mg or Tropisetron 5 mg or Ondansetron 16 mg or
Palonosetron 0.25 mg IVA 10 mins at 15 mins before chemotherapy
7. Pemetrexed ____mg(500 mg/m²) in NS 100 ml IVD for 10 mins
8. Carboplatin _____ mg (AUC=6) in NS 250 ml IVD for 1 hr
9. Run out the remaining NS
(Total IV volume: NS 950 ml)