

## Anti-cancer drug therapy for Radiation Oncology

### Job Aid

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1. Colorectal						
1.1 Anal						
Mitomycin and fluorouracil (5-FU) (link to eviQ protocol)				Considerations for RT		
<b>Drug information</b>				<b>Radiotherapy scheduling</b> Patients should start their radiation therapy course on the same day as their chemotherapy (day 1 is the same for both treatments). Facilities may consider prioritising the delivery of 5 fractions in the weeks that 5-FU is being administered (week 1 and 5).		
<b>Drug</b>	<b>Route</b>	<b>Treatment schedule</b>				
Mitomycin	IV infusion over 15 minutes (1 day)	Day 1 (week 1 RT)		<b>Safety</b> Patients will have a <a href="#">pump</a> containing fluorouracil during weeks 1 and 5 of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.		
Fluorouracil (5-FU)	CIV infusion via pump over 96 hours (4 days)	Day 1 – 5 (week 1 RT) Day 29 – 33 (week 5 RT)				
<b>Cycles:</b> 1 with concurrent radiotherapy				<b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .		
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>RT</b>	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30
<b>Mitomycin</b>	Day 1					
<b>5-FU</b>	Day 1-5				Day 29-33	
<b>Approximate anti-cancer drug treatment time</b> 30 minutes				<b>Considerations for RT</b> <b>Radiotherapy scheduling</b> Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments). Facilities may consider prioritising the delivery of 5 fractions in the weeks that 5-FU is being administered (week 1 and week 5).		
<b>Cisplatin and fluorouracil (5-FU) (link to eviQ protocol)</b>						
<b>Drug information</b>				<b>Safety</b> Patients will have a <a href="#">pump</a> containing fluorouracil during weeks 1 and 5 of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.		
<b>Drug</b>	<b>Route</b>	<b>Treatment schedule</b>				
Cisplatin	IV infusion over 60 minutes (1 day)	Day 1 & Day 29 (week 1 and week 5 RT)		<b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .		
Fluorouracil (5-FU)	CIV infusion via pump over 96 hours (4 days)	Day 1 – 5 (week 1 RT) Day 29 – 33 (week 5 RT)				
<b>Cycles:</b> 1 with concurrent radiotherapy				<b>Treatment schema</b>		
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>RT Fx</b>	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30
<b>Cisplatin</b>	Day 1				Day 29	
<b>5-FU</b>	Day 1-5				Day 29-33	
<b>Approximate anti-cancer drug treatment time</b> Days 1 & 29 (infusion and pump connection): 4 hours Days 5 & 33 (pump disconnection): 30 mins						

Mitomycin and capecitabine <a href="#">(link to eviQ protocol)</a>							Considerations for RT																											
<b>Drug information</b>							<p><b>Radiotherapy scheduling</b></p> <p>Patients who are prescribed concurrent capecitabine should have written instructions from their oncology team on how to take them. Ensure patients understand how and when to take their chemotherapy. Usually, chemotherapy is commenced on the same day as RT (day 1 is the same for both treatments).</p> <p><b>Safety</b></p> <p>Patients will be receiving chemotherapy for the whole course of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.</p> <p><b>Side effects</b></p> <p>Staff should be aware of potential treatment-related <a href="#">side effects</a>.</p>																											
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>																															
Mitomycin	IV infusion over 15 minutes (1 day)		Day 1 (first day of RT)																															
Capecitabine	Administered orally as a tablet, twice a day.		Drug should be taken for the length of radiation therapy but only on the days that radiation therapy is delivered. Patients may self-administer.																															
<p><b>Cycles:</b> 1 with concurrent radiotherapy</p> <p><b>Treatment schema</b></p> <table border="1"> <thead> <tr> <th>Week</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>RT Fx</td> <td>Fx1-5</td> <td>Fx6-10</td> <td>Fx11-15</td> <td>Fx16-20</td> <td>Fx21-25</td> <td>Fx26-28/30</td> </tr> <tr> <td>Mitomycin</td> <td>Day 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Capecitabine</td> <td>Day 1-5</td> <td>Day 8-12</td> <td>Day 15-19</td> <td>Day 22-26</td> <td>Day 29-33</td> <td>Day 36-38/40</td> </tr> </tbody> </table> <p><b>Approximate anti-cancer drug treatment time</b> Days 1: 15 - 30 mins</p>							Week	1	2	3	4	5	6	RT Fx	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30	Mitomycin	Day 1						Capecitabine	Day 1-5	Day 8-12	Day 15-19	Day 22-26	Day 29-33	Day 36-38/40
Week	1	2	3	4	5	6																												
RT Fx	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30																												
Mitomycin	Day 1																																	
Capecitabine	Day 1-5	Day 8-12	Day 15-19	Day 22-26	Day 29-33	Day 36-38/40																												

## 1.2 Rectum (post-operative or pre-operative)

### Fluorouracil (5-FU) (protracted infusion) ([link to eviQ protocol](#))

#### Drug information

Drug	Route	Treatment schedule
Fluorouracil (5-FU)	CIV infusion via pump over 7 days	Continuous with concurrent radiotherapy - i.e. – The patient is on chemotherapy for the length of radiotherapy and the pump is changed each week.

**Frequency:** 7 days

**Cycles:** continuous with concurrent radiotherapy (usually 5 – 6 weeks)

#### Treatment schema

Week	1	2	3	4	5	6
RT Fx	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30
5-FU	Day 1-7	Day 1-7	Day 1-7	Day 1-7	Day 1-7	Day 1-7

#### Approximate anti-cancer drug treatment time

30 minutes

### Capecitabine ([link to eviQ protocol](#))

#### Drug information

Drug	Route	Treatment schedule
Capecitabine	Administered orally as a tablet, twice a day.	Drug should be taken for the length of radiotherapy. May be taken every day or only on days 1-5 of each week (Mon-Friday) Patients may self-administer.

**Frequency:** 7 days or days 1 to 5

**Cycles:** Continuous with radiotherapy (usually 5 – 6 weeks)

#### Treatment schema

Week	1	2	3	4	5	6
RT Fx	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30
Capecitabine	Day 1-5 or 1-7	Day 1-5or 1-7	Day 1-5or 1-7	Day 1-5 or 1-7	Day 1-5 or 1-7	Day 1-5 or 1-7

### Considerations for RT

#### Radiotherapy scheduling

Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).

#### Safety

Patients will have a [pump](#) connected for the whole course of radiotherapy. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

#### Side effects

Staff should be aware of potential treatment-related [side effects](#).

### Considerations for RT

#### Radiotherapy scheduling

Patients who are prescribed concurrent capecitabine should have written instructions from their oncology team on how to take them. Ensure patients understand how and when to take their chemotherapy. Usually, chemotherapy is commenced on the same day as RT (day 1 is the same for both treatments).

#### Safety

Patients will be receiving chemotherapy for the whole course of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

#### Side effects

Staff should be aware of potential treatment-related [side effects](#).

2. Bladder							
Mitomycin and Fluorouracil (5-FU) ( <a href="#">link to eviQ protocol</a> )							
<b>Drug information</b>							
<b>Drug</b>	<b>Route</b>			<b>Treatment schedule</b>			
Mitomycin	IV infusion over 15 minutes (1 day)			Day 1 (week 1 RT)			
Fluorouracil (5-FU)	CIV infusion via pump over 120 hours (5 days)			5-FU is administered with fractions 1-5 (week 1) and 16-20 (week 4) of radiotherapy.			
<b>Cycles:</b> 1 with concurrent radiotherapy							
<b>Treatment schema</b>							
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-32
<b>Mitomycin</b>	Day 1						
<b>5-FU</b>	Day 1-5			Day 22-26			
<b>Approximate anti-cancer drug treatment time</b> 30 minutes for mitomycin							
Cisplatin ( <a href="#">link to eviQ protocol</a> )							
<b>Drug information</b>							
<b>Drug</b>	<b>Route</b>			<b>Treatment schedule</b>			
Cisplatin	IV infusion over 60 minutes (1 day)			Cisplatin is administered day 1 or 2 of each week of radiotherapy.			
<b>Frequency:</b> 7 days							
<b>Cycles:</b> up to 6 cycles, concurrent with radiotherapy							
<b>Treatment schema</b>							
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-32
<b>Cisplatin</b>	Day 1 or 2	Day 1 or 2	Day 1 or 2	Day 1 or 2	Day 1 or 2	Day 1 or 2	Day 1 or 2
<b>Approximate anti-cancer drug treatment time</b> 3 hours							
Considerations for RT							
<b>Radiotherapy scheduling</b> Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments). Facilities may consider prioritising the delivery of 5 fractions in the weeks that 5-FU is being administered (week 1 and week 4).							
<b>Safety</b> Patients will have a <a href="#">pump</a> containing 5-FU connected week 1 and week 4 of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.							
<b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .							
Considerations for RT							
<b>Radiotherapy scheduling</b> Cisplatin should be given on day 1 or 2 of each week of radiotherapy. Week 1 should be the same for both treatments. Cisplatin must be given <b>before</b> radiotherapy treatment on treatment days. Radiotherapy should be commenced approximately 2 hours after cisplatin infusion is completed.							
<b>Safety</b> Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.							
<b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .							

### 3. Gynaecological

#### 3.1 Cervix

##### Cisplatin ([link to eviQ protocol](#))

###### Drug information

Drug	Route	Treatment schedule
Cisplatin	IV infusion over 60 minutes (1 day)	Cisplatin is administered day 1 of each week.

**Frequency:** 7 days

**Cycles:** concurrent with radiotherapy (usually 5 or 6 cycles)

###### Treatment schema

Week	1	2	3	4	5	6
RT	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-28
Cisplatin	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1

###### Approximate anti-cancer drug treatment time

2.5 hours

##### Considerations for RT

###### Radiotherapy scheduling

Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).

On chemotherapy days cisplatin must be given **before** radiotherapy treatment.

Radiotherapy should be commenced approximately 2 hours after cisplatin infusion is completed.

For patients having brachytherapy and EBRT, Chemotherapy and EBRT should be omitted on the days of brachytherapy.

###### Safety

Patients will be receiving chemotherapy for the whole course of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

###### Side effects

Staff should be aware of potential treatment-related [side effects](#).

#### 3.2 Endometrium

##### Cisplatin ([link to eviQ protocol](#))

###### Drug information

Drug	Route	Treatment schedule
Cisplatin	IV infusion over 60 minutes (1 day)	Cisplatin is administered day 1 and day 22 (week 1 and week 4 of RT)

**Frequency:** 7 days

**Cycles:** concurrent with radiotherapy (usually 5 or 6 cycles)

###### Treatment schema

Week	1	2	3	4	5	6
RT	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-28
Cisplatin	Day 1			Day 22		

###### Approximate anti-cancer drug treatment time

3- 4 hours.

##### Considerations for RT

###### Radiotherapy scheduling

Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).

If radiation therapy is delayed, chemotherapy should be delayed to coincide.

###### Safety

Patients will be receiving chemotherapy for the whole course of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

###### Side effects

Staff should be aware of potential treatment-related [side effects](#).

4. Brain						
Temozolomide ( <a href="#">link to eviQ protocol</a> )						Considerations for RT
<b>Drug information</b>						
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>			
Temozolomide	Administered orally as a capsule, once per day.		Drug should be taken from the first until the last day of RT, including weekends.  Patients may self-administer.			
<b>Frequency:</b> 42 days						
<b>Cycles:</b> concurrent with radiotherapy (usually 6 weeks)						
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30
<b>Temozolomide</b>	Continuously whilst receiving radiotherapy					
<b>Note:</b> Some elderly patients with newly diagnosed glioblastoma (WHO grade IV) who are not appropriate for 60Gy in 30# may receive <a href="#">short course</a> radiotherapy (40 Gy in 15# over 3 weeks). These patients may be treated with <a href="#">concurrent temozolomide</a> , taken continuously for 21 days (3 weeks).						
<b>Radiotherapy scheduling</b> Ensure patients who are taking oral chemotherapy know to start taking their medication on the same day that they start RT.						
<b>Safety</b> Patients may be receiving chemotherapy for the course of radiation therapy. Safe handling precautions may be required for up to 7 days following the completion of chemotherapy. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.						
<b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .						



5. Head and Neck							
<b>Cisplatin (weekly or three weekly)</b>							
<b>Drug information</b>							
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>				
Cisplatin	IV infusion over 60 minutes (1 day)		Administered day 1 of a 7 or 21 day cycle. (once per week or once every 3 weeks)				
<b>Frequency:</b> 7 days (weekly) or 21 days (three weekly)							
<b>Cycles:</b>							
- Continuous with radiation therapy, up to 8 cycles (7 day frequency)							
- 3 cycles (21 day frequency). Patients receiving 6 weeks of radiation therapy or less (post-operative) may receive only 2 cycles (21 day frequency).							
<b>Treatment schema (7 day frequency)</b>							
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-33/35
<b>Cisplatin</b>	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1
<b>Treatment schema (21 day frequency)</b>							
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-33/35
<b>Cisplatin</b>	Day 1			Day 1			Day 1
<b>Approximate anti-cancer drug treatment time</b>							
4 hours							
<b>Carboplatin (link to eviQ protocol)</b>							
<b>Drug information</b>							
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>				
Carboplatin	IV infusion (1 day)		Administered day 1 of each week for 6 weeks.				
<b>Frequency:</b> 7 days							
<b>Cycles:</b> 6 cycles with concurrent radiotherapy							
<b>Treatment schema</b>							
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-35
<b>Carboplatin</b>	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	
<b>Approximate anti-cancer drug treatment time</b>							
90 minutes							
<b>Considerations for RT</b>							
<b>Radiotherapy scheduling</b>							
Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).							
<b>Safety</b>							
Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.							
<b>Side effects</b>							
Staff should be aware of potential treatment-related side effects:							
- <a href="#">Weekly cisplatin (head and neck SCC)</a>							
- <a href="#">Weekly cisplatin (head and neck SCC post-op)</a>							
- <a href="#">Weekly cisplatin (nasopharyngeal)</a>							
- <a href="#">Three weekly cisplatin (head and neck SCC)</a>							
- <a href="#">Three weekly cisplatin (head and neck SCC post-op)</a>							
- <a href="#">Three weekly cisplatin (nasopharyngeal)</a>							
<b>Considerations for RT</b>							
<b>Radiotherapy scheduling</b>							
Patients will receive induction chemotherapy prior to concurrent chemotherapy and radiotherapy (chemoradiation). Chemoradiation should commence 3-4 weeks after induction chemotherapy. For chemoradiation, patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).							
<b>Safety</b>							
Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.							
<b>Side effects</b>							
Staff should be aware of potential treatment-related <a href="#">side effects</a> .							

Cetuximab (link to eviQ protocol)									Considerations for RT
<b>Drug information</b> Cetuximab is a targeted therapy									<b>Radiotherapy scheduling</b> Radiotherapy should be scheduled to commence on the same day that cycle 2 is administered (1 week after first 'loading' dose).  <b>Safety</b> Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.  <b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>						
Cetuximab	IV infusion over 60 minutes (1 day)		Administered day 1 of each week for the length of radiotherapy (a loading dose is administered 1 week prior to beginning RT)						
<b>Frequency:</b> 7 days <b>Cycles:</b> cycle 1 is administered 1 week prior to starting radiotherapy, following cycles are concurrent with radiotherapy  <b>Treatment schema</b>									
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	
<b>RT</b>		Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-35	
<b>Cetuximab</b>	Day 1 (loading dose)	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	
<b>Approximate anti-cancer drug treatment time</b> Loading dose: 4 hours Remaining cycles: 3 hours									

Carboplatin and fluorouracil (5-FU) (link to eviQ protocol)								Considerations for RT
<b>Drug information</b>								<b>Radiotherapy scheduling</b> Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments). Facilities may consider prioritising the delivery of 5 fractions in the weeks that 5-FU is being administered (week 1, week 4 and week 7).  <b>Safety</b> Patients will have a <a href="#">pump</a> containing 5-FU connected week 1, 4 and 7 of radiotherapy treatment. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.  <b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>					
Carboplatin	IV infusion (1 day)		Administered day 1 of a 21 day cycle (week 1, 4, 7 or RT)					
Fluorouracil (5-FU)	CIV infusion via pump 96 hours (4 days)		Day 1 – 5 (week 1 RT) Day 1 – 5 (week 4 RT) Day 1 – 5 (week 7 RT)					
<b>Frequency:</b> 21 days <b>Cycles:</b> 3 cycles with concurrent radiotherapy  <b>Treatment schema</b>								
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30	Fx 31-35	
<b>Carboplatin</b>	Day 1			Day 1			Day 1	
<b>5-FU</b>	Day 1-5			Day 1-5			Day 1-5	
<b>Approximate anti-cancer drug treatment time</b> Day 1 (pump connection and carboplatin infusion) : 90 minutes Day 5 (pump disconnection): 30 minutes								

## 6. Upper gastrointestinal

### 6.1 Gastric and oesophageal

#### Cisplatin and capecitabine ([link to eviQ protocol](#))

##### Drug information

Drug	Route	Treatment schedule
Cisplatin	IV infusion over 60 minutes (1 day)	Administered before and after the course of radiotherapy
Capecitabine	Administered orally, as a tablet, twice per day	Administered before, during and after the course of radiotherapy. During radiotherapy, taken on radiotherapy days (usually for 5 weeks.) Patients may self-administer.

**Frequency (Capecitabine, during RT):** radiotherapy days

**Cycles (Capecitabine, during RT):** 2 cycles with concurrent radiotherapy

##### Treatment schema

Week	1-6	7	8	9	10	11	Post RT
RT		Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	
Cisplatin	2 cycles						2 cycles
Capecitabine	2 cycles	Day 1-5	Day 1-5	Day 1-5	Day 1-5	Day 1-5	2 cycles

#### Considerations for RT

##### Radiotherapy scheduling

Patients should have received 2 cycles (6 weeks) of cisplatin and capecitabine prior to starting radiotherapy.

Ensure patients who are taking oral chemotherapy know to start taking their medication on the same day that they start RT.

##### Safety

Patients will be receiving chemotherapy for the length of radiotherapy. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

##### Side effects

Staff should be aware of potential treatment-related [side effects](#).

### 6.2 Gastrointestinal oesophageal

#### Cisplatin and fluorouracil (5-FU) (definitive chemoradiation) ([link to eviQ protocol](#))

##### Drug information

Drug	Route	Treatment schedule
Cisplatin	IV infusion over 60 minutes (1 day)	Day 1 of weeks 1, 5, 8 and 11
5-FU	CIV infusion via pump 96 hours (4 days)	Day 1 – 5 (week 1 RT) Day 1 – 5 (week 5 RT) Day 1 – 5 (week 8 – 3 weeks post RT) Day 1-5 (week 11 – 6 weeks post RT)

Delivered weeks 1 and 5 of RT and then week 8 and week 11 (post RT)

##### Treatment schema

Week	1	2	3	4	5	6	Post RT
RT	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-28	
Cisplatin	Day 1				Day 1		Day 1, week 8 & 11
5-FU	Day 1-5				Day 1-5		Day 1-5, week 8 & 11

##### Approximate anti-cancer drug treatment times

Day 1, week 1 & 5: 4 hours

Day 5, week 1 & 5 (pump disconnection): 30 minutes

#### Considerations for RT

##### Radiotherapy scheduling

Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).

##### Safety

Patients will have a [pump](#) connected week 1 and week 5 of radiotherapy treatment. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

##### Side effects

Staff should be aware of potential treatment-related [side effects](#).

Cisplatin and fluorouracil (5-FU) (neoadjuvant chemoradiation) (link to eviQ protocol)						Considerations for RT
<b>Drug information</b>						<b>Radiotherapy scheduling</b> Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).
<b>Drug</b>	<b>Route</b>	<b>Treatment schedule</b>				
Cisplatin	IV infusion (1 day)	Day 1 of a 28 day cycle (weeks 1 and 5 of RT)				<b>Safety</b> Patients will have a <a href="#">pump</a> connected week 1 and week 5 of radiotherapy treatment. Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.
5-FU	CIV infusion via pump 96 hours (4 days)	Connected Day 1 and disconnected day 5 of each 28 day cycle. Day 1 – 5 (week 1 RT) Day 1 – 5 (week 5 RT)				
<b>Frequency:</b> 28 days						<b>Side effects</b> Staff should be aware of potential treatment-related <a href="#">side effects</a> .
<b>Cycles:</b> 2 with concurrent radiotherapy						
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
RT	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-23	
Cisplatin	Day 1				Day 1	
5-FU	Day 1-5				Day 1-5	
<b>Approximate anti-cancer drug treatment times</b>						
Day 1, week 1 & 5: 4 hours Day 5, week 1 & 5 (pump disconnection): 30 minutes						
Carboplatin and paclitaxel (neoadjuvant chemoradiation) (link to eviQ protocol)						Considerations for RT
<b>Drug information</b>						<b>Radiotherapy scheduling</b> Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).
<b>Drug</b>	<b>Route</b>	<b>Treatment schedule</b>				
Carboplatin	IV infusion (1 day)	Day 1 of a 7 day cycle, concurrent with radiotherapy (once per week for 5 weeks)				<b>Safety</b> Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.
Paclitaxel	IV infusion (1 day)	Day 1 of a 7 day cycle, concurrent with radiotherapy (once per week for 5 weeks)				
<b>Frequency:</b> 7 days						<b>Side effects</b> Staff should be aware of potential treatment –related <a href="#">side effects</a> .
<b>Cycles:</b> 5 with concurrent radiotherapy						
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
RT	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-23	
Carboplatin	Day 1	Day 1	Day 1	Day 1	Day 1	
Paclitaxel	Day 1	Day 1	Day 1	Day 1	Day 1	
<b>Approximate anti-cancer drug treatment times</b>						
2.5 hours						

### 6.3 Pancreas and Biliary

#### Fluorouracil (5-FU) (definitive chemoradiation) ([link to eviQ protocol](#))

##### Drug information

Drug	Route	Treatment schedule
Fluorouracil (5-FU)	CIV infusion via pump over 7 days	Continuous with concurrent radiotherapy - i.e. – The patient is on chemotherapy for the length of radiotherapy and the pump is changed each week.

**Frequency:** 7 days

**Cycles:** continuous with concurrent radiotherapy (usually 5 – 6 weeks)

##### Treatment schema

Week	1	2	3	4	5	6
RT Fx	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30
5-FU	Day 1-7	Day 1-7	Day 1-7	Day 1-7	Day 1-7	Day 1-7

##### Approximate anti-cancer drug treatment time

30 minutes

#### Capecitabine ([link to eviQ protocol](#))

##### Drug information

Drug	Route	Treatment schedule
Capecitabine	Administered orally as a tablet, twice a day.	Drug should be taken for the length of radiotherapy. Taken days 1-5 of each week (Mon-Friday) Patients may self-administer.

**Frequency:** days 1 to 5

**Cycles:** Continuous with radiotherapy (usually 5 – 6 weeks)

##### Treatment schema

Week	1	2	3	4	5	6
RT Fx	Fx1-5	Fx6-10	Fx11-15	Fx16-20	Fx21-25	Fx26-28/30
Capecitabine	Day 1-5	Day 1-5	Day 1-5	Day 1-5	Day 1-5	Day 1-5

#### Considerations for RT

##### Radiotherapy scheduling

Patients should start their radiation therapy course on the same day as their chemotherapy treatment (day 1 is the same for both treatments).

##### Safety

Patients will have a [pump](#) connected for the whole course of radiotherapy. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

##### Side effects

Staff should be aware of potential treatment-related [side effects](#).

#### Considerations for RT

##### Radiotherapy scheduling

Patients who are prescribed concurrent capecitabine should have written instructions from their oncology team on how to take them. Ensure patients understand how and when to take their chemotherapy. Usually, chemotherapy is commenced on the same day as RT (day 1 is the same for both treatments).

##### Safety

Patients will be receiving chemotherapy for the whole course of radiotherapy. Safe handling precautions may be required for up to 7 days following the completion of each chemotherapy administration. Ensure staff are aware of [safe handling](#) precautions and hazardous waste management procedures.

##### Side effects

Staff should be aware of potential treatment-related [side effects](#).

7. Respiratory						
7.1 Non-small cell lung cancer						
Paclitaxel and carboplatin ( <a href="#">link to eviQ protocol</a> )				Considerations for RT		
<b>Drug information</b>				<b>Radiotherapy scheduling</b>		
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>			
Paclitaxel	IV infusion over 60 minutes		Day 1 of a 7 day cycle, concurrent with radiotherapy. (once per week for 6 weeks)			
Carboplatin	IV infusion over 30-60 minutes		Day 1 of a 7 day cycle, concurrent with radiotherapy. (once per week for 6 weeks)			
<b>Frequency:</b> 7 days						
<b>Cycles:</b> 6 with concurrent radiotherapy						
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6-7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30/33
<b>Paclitaxel</b>	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1
<b>Carboplatin</b>	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1
<b>Approximate anti-cancer drug treatment time</b>						
2.5 hours						
Cisplatin and etoposide ( <a href="#">link to eviQ protocol</a> )				Considerations for RT		
<b>Drug information</b>				<b>Radiotherapy scheduling</b>		
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>			
Cisplatin	IV infusion over 60 minutes		Day 1, 8, 29 and 36 (week 1, week 2, week 5, week 6)			
Etoposide	IV infusion over 30-60 minutes		Days 1-5 and 29-33 (week 1 and week 5)			
<b>Frequency:</b> 7 days						
<b>Cycles:</b> 6 with concurrent radiotherapy						
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6-7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30/33
<b>Cisplatin</b>	Day 1	Day 8			Day 29	Day 36
<b>Etoposide</b>	Day 1-5				Day 29-33	
<b>Approximate anti-cancer drug treatment time</b>						
Days 1 & 29: 5 hours						
Days 2-5 & 30-33: 90 minutes						
Days 8 & 36: 4 hours						
				<b>Safety</b>		
				Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.		
				<b>Side effects</b>		
				Staff should be aware of potential treatment-related <a href="#">side effects</a> .		

7.2 Non-small cell lung cancer (including Pancoast)						
Cisplatin and Etoposide ( <a href="#">link to eviQ protocol</a> )						
<b>Drug information</b>						
<b>Drug</b>	<b>Route</b>		<b>Treatment schedule</b>			
Cisplatin	IV infusion over 60 minutes		Day 1, 8, 29 and 36 (week 1, week 2, week 5, week 6)			
Etoposide	IV infusion over 30-60 minutes		Days 1-5 and 29-33 (week 1 and week 5)			
Cycles: 1						
<b>Treatment schema</b>						
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6-7</b>
<b>RT</b>	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25	Fx 26-30/33
<b>Cisplatin</b>	Day 1	Day 8			Day 29	Day 36
<b>Etoposide</b>	Day 1-5				Day 29-33	
<b>Approximate anti-cancer drug treatment time</b>						
Days 1 & 29: 5 hours						
Days 2-5 & 30-33: 90 minutes						
Days 8 & 36: 4 hours						
<b>Considerations for RT</b>						
<b>Radiotherapy scheduling</b>						
Patients should start their radiation therapy course on the same day as their chemotherapy treatment or shortly after commencing chemotherapy. The treatment schema provided for this regimen assumes that day 1 is the same for both treatments.						
<b>Safety</b>						
Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.						
<b>Side effects</b>						
Staff should be aware of potential treatment-related <a href="#">side effects</a> .						

7.3 Small cell lung cancer					
Cisplatin and etoposide (link to eviQ protocol)				Considerations for RT	
<b>Drug information</b>					
<b>Drug</b>	<b>Route</b>	<b>Treatment schedule</b>			
Cisplatin	IV infusion over 60 minutes	Day 1 of a 21 day cycle (week 1 and 4 of RT)			
Etoposide	IV infusion over 30-60 minutes	Days 1-3 of a 21 day cycle. (week 1 and 4 of RT)			
<p><b>Frequency:</b> 21 days  <b>Cycles:</b> 4 (1-2 concurrent with radiotherapy)</p>					
<b>Treatment schema (50Gy/25#)</b>					
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
RT	Fx 1-5	Fx 6-10	Fx 11-15	Fx 16-20	Fx 21-25
Cisplatin	Day 1			Day 1	
Etoposide	Day 1-3			Day 1-3	
<b>Treatment schema (40Gy/15#)</b>					
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>		
RT	Fx 1-5	Fx 6-10	Fx 11-15		
Cisplatin	Day 1				
Etoposide	Day 1-3				
<b>Treatment schema (45Gy/30#, 10 fractions per week)</b>					
<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>		
RT	Fx 1-10	Fx 11-20	Fx 21-30		
Cisplatin	Day 1				
Etoposide	Day 1-3				
<p><b>Approximate anti-cancer drug treatment time</b>                      Days 1: 4 hours                      Days 2 &amp; 3: 90 minutes</p>					
<p><b>Radiotherapy scheduling</b>                      Chemotherapy can be commenced promptly (without delay for radiotherapy) and radiotherapy scheduled to start concurrently with a later cycle. 2 cycles concurrent with radiotherapy are ideally aimed for. The treatment schema provided for this regimen assumes that day 1 is the same for both treatments.</p> <p><b>Safety</b>                      Ensure staff are aware of <a href="#">safe handling</a> precautions and hazardous waste management procedures.</p> <p><b>Side effects</b>                      Staff should be aware of potential treatment-related <a href="#">side effects</a>.</p>					