

## R-IVAC FOR PATIENTS < 65 YEARS (R-CODOX-M/IVAC TRIAL)

**Indications:** Treatment of high grade B-cell or Burkitt's lymphoma consists of alternating cycles of CODOX-M and IVAC. R-IVAC is started after R-CODOX-M when the unsupported neut count has recovered to > 1.0 and platelet count > 75.

### Prior to treatment

- Review fitness for chemotherapy. Exclude active infection and major changes in organ function – check FBC, U&Es, creat, LFTs. *See dose modifications in trial protocol*
- Check hepatitis B & C serology
- If appropriate discuss possibility of pregnancy with female patients and need for contraception with both male and female patients. Discuss risk of infertility - offer semen cryopreservation
- Ensure there is a Hickman line in situ
- Written consent for course

<b>Day 1</b>	Rituximab	375mg/m <sup>2</sup>	IV	in 500ml Nsaline (See protocol for rituximab)
	Etoposide	60mg/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1.5g/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Mesna	300mg/m <sup>2</sup>	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	900mg/m <sup>2</sup>	IV	By continuous infusion over 12hrs
	Cytarabine	2g/m <sup>2</sup>	IV	In 1L N saline over 3hr given 12hrly for 2 doses
<b>Day 2</b>	Etoposide	60mg/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1.5g/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Mesna	300mg/m <sup>2</sup>	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	900mg/m <sup>2</sup>	IV	By continuous infusion over 12hrs
	Cytarabine	2g/m <sup>2</sup>	IV	In 1L N saline over 3hr given 12hrly for 2 doses
<b>Day 3</b>	Etoposide	60mg/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1.5g/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Mesna	300mg/m <sup>2</sup>	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	900mg/m <sup>2</sup>	IV	By continuous infusion over 12hrs
<b>Day 4</b>	Etoposide	60mg/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1.5g/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Mesna	300mg/m <sup>2</sup>	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	900mg/m <sup>2</sup>	IV	By continuous infusion over 12hrs
<b>Day 5</b>	Etoposide	60mg/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1.5g/m <sup>2</sup>	IV	Daily over 1hr in 500ml N saline
	Mesna	300mg/m <sup>2</sup>	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	900mg/m <sup>2</sup>	IV	By continuous infusion over 12hrs
	Methotrexate	12mg	IT	

**Day 7** Neulasta 6mg SC

**Intensified intrathecal chemotherapy for patients with proven or suspected CNS disease at presentation**

**Day 5** Methotrexate 12mg IT

**Day 7 & 9** Cytarabine 70mg IT

For cycle 4 intrathecal therapy is given according to the schedule for patients without CNS disease

**Prophylaxis for emesis** 5HT antagonist + dexamethasone

**Other medications** Nystatin and Corsodyl mouthwash  
Predsol eyedrops 0.5% tds each eye for 5-7 days

**R-IVAC Toxicities**

Neutropenic sepsis & thrombocytopenia	Nausea and vomiting
Alopecia	Mucositis
Haemorrhagic cystitis	Ifosfamide encephalopathy
Hypotension, chest pain, dyspnoea, flushing and bronchospasm (etoposide)	Amenorrhoea, infertility (offer semen cryopreservation)
Rash (cytarabine)	Cerebral and cerebellar dysfunction (cytarabine)
Conjunctivitis (cytarabine)	Fever, rigors, hypotension, anaphylaxis (rituximab)

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