

R-IVAC FOR PATIENTS > 65 YEARS (LY10 Trial)

Indications: Treatment of high grade lymphoma or Burkitt's lymphoma consists of alternating cycles of R-CODOX-M and R-IVAC. R-IVAC is started after R-CODOX-M when the neut count has recovered to > 1.0 and the unsupported 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
- Check Hepatitis B & C serology
- If appropriate discuss the need for contraception with male patients. Discuss risk of infertility - offer semen cryopreservation.
- Ensure there is a Hickman line in situ
- Written consent for course

Day 1	Rituximab	375mg/m ²	IV	in 0.5L Nsaline (See protocol for rituximab)
	Etoposide	60mg/m ²	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1g/m ²	IV	Daily over 1hr in 500ml N saline
	Mesna	200mg/m ²	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	200mg/m ²	IV	In 500ml N saline every 4hrs for 2 doses
	Cytarabine	1g/m ²	IV	In 1.0L N saline over 3hrs given 12hrly for 2 doses
Day 2	Etoposide	60mg/m ²	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1g/m ²	IV	Daily over 1hr in 500ml N saline
	Mesna	200mg/m ²	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	200mg/m ²	IV	In 500ml N saline every 4hrs for 2 doses
	Cytarabine	1g/m ²	IV	In 1.0L N saline over 3hrs given 12hrly for 2 doses
Day 3	Etoposide	60mg/m ²	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1g/m ²	IV	Daily over 1hr in 500ml N saline
	Mesna	200mg/m ²	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	200mg/m ²	IV	In 500ml N saline every 4hrs for 2 doses
Day 4	Etoposide	60mg/m ²	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1g/m ²	IV	Daily over 1hr in 500ml N saline
	Mesna	200mg/m ²	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	200mg/m ²	IV	In 500ml N saline every 4hrs for 2 doses

Day 5	Etoposide	60mg/m ²	IV	Daily over 1hr in 500ml N saline
	Ifosfamide	1g/m ²	IV	Daily over 1hr in 500ml N saline
	Mesna	200mg/m ²	IV	Daily over 1hr mixed with ifosfamide
	Followed by mesna	200mg/m ²	IV	In 500ml N saline every 4hrs for 2 doses
Day 6	Methotrexate	12.5mg	IT	
Day 7	Folinic acid	15mg	PO	24hrs after methotrexate
	GCSF daily until neutrophils > 1.0 for 2 consecutive days			

Intensified intrathecal chemotherapy for CNS disease at presentation

The following schedule is given only with the first cycle of IVAC:

Day 6	Methotrexate 12.5mg IT
Day 7	Folinic acid 15mg PO 24hrs after methotrexate
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 5-7days

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)

Written by Dr MP Macheta, Consultant Haematologist

Date July 2013

Review date July 2015