MANAGEMENT IN CONFIDENCE



CPAG Summary Report for Clinical Panel – Policy 1630 Bendamustine-based chemotherapy for first-line treatment of Mantle cell lymphoma (MCL) in adults

The Benefits of the Proposition – Use of bendamustine plus rituximab (BR) Vs.
CHOP plus rituximab or CVP plus rituximab as a first line treatment to treat
mantle cell lymphoma

No	Outcome measures	Grade of evidence	Summary from evidence review
1.	Survival	Not measured	
2.	Progression free survival	There is a survival benefit [B]	A study of 261 previously untreated patients with Stage III or IV disease due to indolent or mantle cell lymphomas (MCL) were randomised to receive bendamustine with rituximab (of whom 46 had MCL) and 253 randomised to receive rituximab with cyclophosphamide, doxorubicin, vincristine and prednisolone (R-CHOP) (of whom 48 had MCL). At a median follow up of 45 months median progression free survival was longer in the subgroup of patients with MCL that received bendamustine with rituximab vs. R-CHOP (35.4 months vs. 22.1 months) equating to a difference of 13.3 months.
			as the time between first treatment and one of the following events:
			progressive disease, relapse after

			response or death from any cause.
			This is a subgroup analysis and therefore could be viewed as being hypothesis generating. Overall the trial was designed to demonstrate that bendamustine with rituximab was non-inferior to R-CHOP. The trial was conducted before the use
			of maintenance rituximab became
			standard clinical practice and therefore
			this may limit the generalisability of the
			results described.
3.	Mobility	Not measured	<u> </u>
4.	Self-care	Not measured	
5.	Usual activities	Not measured	
6.	Pain	Not measured	
7.	Anxiety / Depression	Not measured	
8.	Replacement of more toxic treatment	Not measured	
9.	Dependency on care giver / supporting independence	Not measured	
10.	Safety	Adverse events identified [B]	A study of 224 previously untreated patients with Stage III or IV disease due to indolent or mantle cell lymphomas (MCL) randomised to receive bendamustine with rituximab (of whom 36 had MCL) and 223 randomised to receive R-CHOP or

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			rituximab with cyclophosphamide,
			vincristine and prednisolone (R-CVP)
			(of whom 38 had MCL).
			Bendamustine with rituximab has a
			different side effect profile to R-
			CHOP/R-CVP greatly reducing the
			incidence of alopecia and peripheral
			neuropathy.
			It caused less leukopenia and
			neutropenia but more
			lymphocytopenia.
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			Bendamustine with rituximab has a
			higher risk of drug hypersensitivity and
			skin rash.
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			The risk of secondary malignancies for
			bendamustine with rituximab and R-
			CHOP/R-CVP does not appear to be
			different.
11.	Delivery of	Not measured	
	intervention		

Other health outcome measures determined by the evidence review - Use of bendamustine plus rituximab (BR) Vs. CHOP plus rituximab or CVP plus rituximab as a first line treatment to treat mantle cell lymphoma			
No	Outcome measure	Grade of evidence	Summary from evidence review
1	Overall response rate (ORR)	Grade B	A study of 224 previously untreated patients with Stage III or IV disease due to indolent or mantle cell lymphomas (MCL) randomised to receive bendamustine with

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			rituximab (BR) (of whom 36 had
			MCL) and 223 randomised to
			receive R-CHOP or R-CVP (of
			whom 38 had MCL).
			For the subgroup of patients with
			MCL the recorded overall response
			rates were 94% vs. 85% for BR vs.
			R-CHOP or R-CVP respectively.
			Response rates were defined as
			being based on standard WHO
			criteria.
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			This is a subgroup analysis and
			therefore could be viewed as being
			hypothesis generating. Overall the
		()	trial was designed to demonstrate
			that BR was non-inferior to R-
		10.	CHOP.
	Language and an annual litera	On do D	
2	Impact on quality of life	Grade B	In a study 224 previously untreated
			patients with Stage III or IV disease
	&O		due to indolent or mantle cell
	CX		lymphomas (MCL) randomised to
			receive bendamustine with
	6.0.		rituximab (BR) (of who 36 had MCL)
			and 223 randomised to receive R-
			CHOP or R-CVP (of who 38 had
			MCL).
			Patients treated with BR reported
			improvements in cognitive
			functioning, physical functioning,
			social functioning, emotional

functioning and global health status and a reduction in dyspnoea, constipation and fatigue at some but not all time points compared with standard treatment. Patients treated with standard treatment reported less nausea and vomiting and appetite loss at several time points.

BR showed some advantages in quality of life (QoL) compared to R-CHOP/R-CVP but the clinical significance of the benefits was small, and the differences between the groups were not statistically significant at all points in time.

The Benefits of the Proposition - Use of bendamustine-based regimens compare with other regimens in the treatment of patients receiving intensive first-line treatment prior to consolidation with high-dose chemotherapy and autologous stem cell transplant

No	Metric	Grade of evidence	Summary from evidence review
1.	Survival	Not measured	
2.	Progression free survival	Not measured	
3.	Mobility	Not measured	
4.	Self-care	Not measured	
5.	Usual activities	Not measured	
6.	Pain	Not measured	
7.	Anxiety / Depression	Not measured	
8.	Replacement of more toxic treatment	Not measured	
9.	Dependency	Not measured	

	on care giver / supporting independence		
10.	Safety	Not measured	
11.	Delivery of intervention	Not measured	

Other health metrics determined by the evidence review - Use of bendamustine-based regimens compare with other regimens in the treatment of patients receiving intensive first-line treatment prior to consolidation with high-dose chemotherapy and autologous stem cell transplant

No	Metric	Grade of evidence	Summary from evidence review
1.	Rate of	Grade C	In a study, 23 patients received three
	confirmed and		cycles of rituximab/
	unconfirmed		cytarabine/bendamustine followed by
	Complete response		three cycles of rituximab/ high-dose
			cytarabine provided there was evidence
			of stable disease or improvement.
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			22 patients achieved a complete
		10.	response equating to a response rate
			of 96% (90% CI: 81-100%).
		4 4	This is a year consult on an lab at simple
	c. (This is a very small open-label single
			arm study and as such is limited by the
	8		fact there is no control arm and can
			only be regarded as hypothesis
			generating. There are no follow up data
)		available as yet to enable any
			assessment of PFS or longer term
			adverse events.