

Efficacy of central nervous system prophylaxis with stand-alone intrathecal chemotherapy in diffuse large B-cell lymphoma patients treated with anthracycline-based chemotherapy in the rituximab era: a systematic review

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Supplementary Table 1: MEDLINE search strategy

Search steps	
1	Diffuse large b cell lymphoma.mp. or exp Lymphoma, Large B-Cell, Diffuse/
2	DLBCL.ti,ab.
3	("CENTRAL NERVOUS SYSTEM" and RELAPSE*).ti,ab.
4	("CNS" and relapse*).ti,ab.
5	("CENTRAL NERVOUS SYSTEM" and recurren*).ti,ab.
6	("CNS" and recurren*).ti,ab.
7	("CENTRAL NERVOUS SYSTEM" and progress*).ti,ab.
8	("CNS" and progress*).ti,ab.
9	RITUXIMAB/
10	doxorubicin.mp. or DOXORUBICIN/
11	anthracycline.mp. or ANTHRACYCLINES/
12	CHOP.ti,ab.
13	CHOP14.ti,ab.
14	CHOP21.ti,ab.
15	CHOP-14.ti,ab.
16	CHOP-21.ti,ab.
17	R-CHOP14.ti,ab.
18	R-CHOP21.ti,ab.
19	RCHOP*.ti,ab.
20	R-CHOP*.ti,ab.
21	CHOEP.ti,ab.
22	RCHOEP*.ti,ab.
23	R-CHOEP*.ti,ab.
24	EPOCH.ti,ab.
25	DA-EPOCH-R.ti,ab.
26	("CENTRAL NERVOUS SYSTEM" and prophyla*).ti,ab.
27	("CNS" and prophyla*).ti,ab.
28	(intrathecal* and prophyla*).ti,ab.
29	(intrathecal* and chemothera*).ti,ab.
30	(IT and chemothera*).ti,ab.
31	Injections, Spinal/
32	methotrexate.mp. or METHOTREXATE/
33	cytarabine.mp. or CYTARABINE/
34	31 and 32
35	31 and 33
36	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
37	9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25
38	26 or 27 or 28 or 29 or 30 or 31 or 34 or 35
39	36 and 37 and 38

Abbreviations: DLBCL: diffuse large B cell lymphoma; CNS: central nervous system; IT: intrathecal; CHOP: cyclophosphamide, doxorubicin, vincristine, prednisolone; R-CHOP: rituximab, cyclophosphamide, doxorubicin, vincristine, prednisolone; CHOEP: cyclophosphamide, doxorubicin, vincristine, etoposide and prednisolone; RCHOEP or R-CHOEP: rituximab, cyclophosphamide, doxorubicin, vincristine, etoposide and prednisolone; EPOCH: etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin; DA-EPOCH-R: rituximab plus dose adjusted etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin.

Supplementary Table 2: EMBASE search strategy

Search steps	
1	Diffuse large b cell lymphoma.mp. or exp Lymphoma, Large B-Cell, Diffuse/
2	DLBCL.ti,ab.
3	("CENTRAL NERVOUS SYSTEM" and RELAPSE*).ti,ab.
4	("CNS" and relapse*).ti,ab.
5	("CENTRAL NERVOUS SYSTEM" and recurren*).ti,ab.
6	("CNS" and recurren*).ti,ab.
7	("CENTRAL NERVOUS SYSTEM" and progress*).ti,ab.
8	("CNS" and progress*).ti,ab.
9	RITUXIMAB/
10	doxorubicin.mp. or DOXORUBICIN/
11	anthracycline.mp. or ANTHRACYCLINES/
12	CHOP.ti,ab.
13	CHOP14.ti,ab.
14	CHOP21.ti,ab.
15	CHOP-14.ti,ab.
16	CHOP-21.ti,ab.
17	R-CHOP14.ti,ab.
18	R-CHOP21.ti,ab.
19	RCHOP*.ti,ab.
20	R-CHOP*.ti,ab.
21	CHOEP.ti,ab.
22	RCHOEP*.ti,ab.
23	R-CHOEP*.ti,ab.
24	EPOCH.ti,ab.
25	DA-EPOCH-R.ti,ab.
26	intrathecal drug administration/
27	methotrexate/
28	cytarabine/
29	26 and 27
30	26 and 28
31	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
32	9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25
33	26 or 29 or 30
34	31 and 32 and 33

Abbreviations: DLBCL: diffuse large B cell lymphoma; CNS: central nervous system; IT: intrathecal; CHOP: cyclophosphamide, doxorubicin, vincristine, prednisolone; R-CHOP: rituximab, cyclophosphamide, doxorubicin, vincristine, prednisolone; CHOEP: cyclophosphamide, doxorubicin, vincristine, etoposide and prednisolone; RCHOEP or R-CHOEP: rituximab, cyclophosphamide, doxorubicin, vincristine, etoposide and prednisolone; EPOCH: etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin; DA-EPOCH-R: rituximab plus dose adjusted etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin.

Supplementary Table 3: Cochrane Registry search strategy

Search steps
"diffuse large B cell lymphoma" or "DLBCL" or "central nervous system relapse" or "CNS relapse" or "central nervous system recurrence" or "CNS recurrence" or "central nervous system progression" or "CNS progression" (TITLE AND ABSTRACT)
"rituximab" or "doxorubicin" or "anthracycline" or "CHOP" or "CHOP14" or "CHOP21" OR "CHOP-14" or "CHOP-21" or "R-CHOP14" or "R-CHOP21" or "CHOEP" or "RCHOEP" or "R-CHOEP" or "EPOCH" or "DA-EPOCH-R" (TITLE AND ABSTRACT)
"intrathecal" or "intrathecal prophylaxis" or "intrathecal methotrexate" or "intrathecal cytarabine" (TITLE AND ABSTRACT)
1 AND 2 AND 3

Abbreviations: DLBCL: diffuse large B cell lymphoma; CNS: central nervous system; IT: intrathecal; CHOP: cyclophosphamide, doxorubicin, vincristine, prednisolone; R-CHOP: rituximab, cyclophosphamide, doxorubicin, vincristine, prednisolone; CHOEP: cyclophosphamide, doxorubicin, vincristine, etoposide and prednisolone; RCHOEP or R-CHOEP: rituximab, cyclophosphamide, doxorubicin, vincristine, etoposide and prednisolone; EPOCH: etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin; DA-EPOCH-R: rituximab plus dose adjusted etoposide, prednisolone, vincristine, cyclophosphamide, doxorubicin.