

Appendix 1 Search strategies

If all or a substantive part of the search strategies below are reused in another publication, please cite this report!

Cochrane Library via Wiley 9 December 2024 (Trials)

Search terms		Items found
Population: MLD		
1.	MeSH descriptor: [Leukodystrophy, Metachromatic] this term only	7
2.	((arsa NEXT activit*) OR (arsa NEXT deficienc*) OR (arsa enzyme NEXT activit*) OR (arylsulfatase a NEXT activit*) OR (arylsulphatase a NEXT activit*) OR (arylsulfatase a NEXT deficienc*) OR (arylsulphatase a NEXT deficienc*) OR (arylsulfatase a enzyme NEXT activit*) OR (arylsulphatase a enzyme NEXT activit*) OR (arylsulfatase NEXT pseudodeficienc*) OR (arylsulphatase NEXT pseudodeficienc*) OR (cerebroside sulphatase NEXT deficienc*) OR (cerebroside sulfatase NEXT deficienc*) OR (cerebroside sulfate storage disease) OR (cerebroside sulphate storage disease) OR (deficienc* NEXT of arylsulfatase a) OR (greenfield* NEXT disease) OR (metachrom* NEXT leuco*) OR (metachrom* NEXT leuco*) OR (metachromatic form of diffuse cerebral sclerosis) OR (pseudoarylsulfatase a NEXT deficienc*) OR (pseudoarylsulphatase a NEXT deficienc*) OR (sulfatide lipidosis) OR (sulphatide lipidosis)):ti,ab,kw	14
3.	(mld):ti	11
4.	1 or 2 or 3 (in Trials)	25
Final result		
5.		25

The final search result, usually found at the end of the documentation, forms the list of abstracts.

MeSH = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **this term only** = Does not include terms found below this term in the MeSH hierarchy; **:ti** = Title; **:ab** = Abstract; **:kw** = Keyword; ***** = Truncation; **" "** = Quotation marks; searches for an exact phrase

Embase via Elsevier 9 December 2024

Search terms		Items found
Population: MLD		
1.	'metachromatic leukodystrophy'/exp	2,567
2.	'arsa activit*':ti,ab,kw OR 'arsa deficienc*':ti,ab,kw OR 'arsa enzyme activit*':ti,ab,kw OR 'arylsulfatase a activit*':ti,ab,kw OR 'arylsulphatase a activit*':ti,ab,kw OR 'arylsulfatase a deficienc*':ti,ab,kw OR 'arylsulphatase a deficienc*':ti,ab,kw OR 'arylsulfatase a enzyme activit*':ti,ab,kw OR 'arylsulphatase a enzyme activit*':ti,ab,kw OR 'arylsulfatase pseudodeficienc*':ti,ab,kw OR 'arylsulphatase pseudodeficienc*':ti,ab,kw OR 'cerebroside sulphatase deficienc*':ti,ab,kw OR 'cerebroside sulfatase deficienc*':ti,ab,kw OR 'cerebroside sulphate storage disease':ti,ab,kw OR 'cerebroside sulphate storage disease':ti,ab,kw OR 'deficienc* of arylsulfatase a':ti,ab,kw OR 'greenfield* disease':ti,ab,kw OR 'metachrom* leuco*':ti,ab,kw OR 'metachrom* leuco*':ti,ab,kw OR 'metachromatic form of diffuse cerebral sclerosis':ti,ab,kw OR 'pseudoarylsulfatase a deficienc*':ti,ab,kw OR 'pseudoarylsulphatase a deficienc*':ti,ab,kw OR 'sulfatide lipidosis':ti,ab,kw OR 'sulphatide lipidosis':ti,ab,kw	2,296
3.	'mld':ti	247
4.	1 or 2 or 3	3,259
Limits:		
5.	4 NOT 'conference abstract'/it	2,763
Final result		
6.		2,763

The final search result, usually found at the end of the documentation, forms the list of abstracts.

/exp = Includes terms found below this term in the Emtree hierarchy; **:kw** = Author keyword ; **:ti** = Article Title; **:ti,ab** = Title or abstract; ***** = Truncation; **' '** = Quotation marks; searches for an exact phrase

Medline via OvidSP 9 December 2024

Search terms		Items found
Population: MLD		
1.	Leukodystrophy, Metachromatic/	1,348
2.	(arsa activit* or arsa deficienc* or arsa enzyme activit* or arylsulfatase a activit* or arylsulphatase a activit* or arylsulfatase a deficienc* or arylsulphatase a deficienc* or arylsulfatase a enzyme activit* or arylsulphatase a enzyme activit* or arylsulfatase pseudodeficienc* or arylsulphatase pseudodeficienc* or cerebroside sulphatase deficienc* or cerebroside sulfatase deficienc* or cerebroside sulfate storage disease or cerebroside sulphate storage disease or deficienc* of arylsulfatase a or greenfield* disease or metachrom* leuco* or metachrom* leuko* or metachromatic form of diffuse cerebral sclerosis or pseudoarylsulfatase a deficienc* or pseudoarylsulphatase a deficienc* or sulfatide lipidosis or sulphatide lipidosis).ti,ab,kf,bt.	1,662
3.	mld.ti.	159
4.	1 or 2 or 3	2,097
Final result		
5.		2,097

The final search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. = Abstract; **.bt.** = Book title; **exp** = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **.kf.** = Author keyword; **.ti.** = Title; **/** = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy; ***** = Truncation (if found at the end of a free text term); **" "** = Quotation marks; searches for an exact phrase