

**Supplementary table S1.** Complete database-specific literature-search strategies.

| Database       | Search Block                                        | Exact Search Strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Search Fields         | Time Span                       | Limits                                   |
|----------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|------------------------------------------|
| PubMed/MEDLINE | A. Cranial marrow–CNS-border anatomy and physiology | (“skull bone marrow”[Title/Abstract] OR “calvarial bone marrow”[Title/Abstract] OR “cranial bone marrow”[Title/Abstract] OR “skull marrow”[Title/Abstract] OR “calvarial marrow”[Title/Abstract] OR “cranial marrow”[Title/Abstract] OR “skull-meninges”[Title/Abstract] OR “skull meninges”[Title/Abstract] OR “dura-skull channel*”[Title/Abstract] OR “skull-dura channel*”[Title/Abstract] OR “cranial hematopoiesis”[Title/Abstract]) AND (mening*[Title/Abstract] OR dura*[Title/Abstract] OR brain[Title/Abstract] OR CNS[Title/Abstract] OR “central nervous system”[Title/Abstract] OR CSF[Title/Abstract] OR “cerebrospinal fluid”[Title/Abstract] OR lymphatic*[Title/Abstract] OR immune*[Title/Abstract] OR hematopoi*[Title/Abstract] OR myeloid[Title/Abstract] OR lymphoid[Title/Abstract]) | Title/Abstract        | Database inception–11 June 2026 | English; no publication-date restriction |
|                |                                                     | (“skull bone marrow”[Title/Abstract] OR “calvarial bone marrow”[Title/Abstract] OR “cranial bone marrow”[Title/Abstract] OR “skull marrow”[Title/Abstract] OR “calvarial marrow”[Title/Abstract] OR “cranial marrow”[Title/Abstract] OR “bone marrow”[Title/Abstract]) AND (“Alzheimer Disease”[MeSH Terms] OR Alzheimer*[Title/Abstract] OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MeSH + Title/Abstract | Database inception–11 June 2026 | English; no publication-date restriction |

|        |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                       |                                                 |
|--------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------|-------------------------------------------------|
|        |                                                                        | amyloid*[Title/Abstract]<br>OR "amyloid<br>beta"[Title/Abstract] OR<br>"amyloid-<br>β"[Title/Abstract] OR "A<br>beta"[Title/Abstract] OR<br>Aβ[Title/Abstract] OR<br>APP[Title/Abstract] OR<br>"amyloid precursor<br>protein"[Title/Abstract])<br>AND<br>(brain[Title/Abstract] OR<br>CNS[Title/Abstract] OR<br>mening*[Title/Abstract]<br>OR dura*[Title/Abstract]<br>OR CSF[Title/Abstract] OR<br>"cerebrospinal<br>fluid"[Title/Abstract] OR<br>hematopoi*[Title/Abstract<br>] OR<br>immune*[Title/Abstract]<br>OR<br>myeloid[Title/Abstract]<br>OR<br>lymphoid[Title/Abstract]<br>OR<br>osteoblast*[Title/Abstrac<br>t] OR<br>osteoclast*[Title/Abstrac<br>t] OR<br>osteoimmun*[Title/Abstrac<br>t] OR<br>neuroinflamm*[Title/Abstr<br>act]) |                   |                                       |                                                 |
| Scopus | A. Cranial<br>marrow-CNS-<br>border<br>anatomy and<br>physiology       | TITLE-ABS-KEY("skull bone<br>marrow" OR "calvarial<br>bone marrow" OR "cranial<br>bone marrow" OR "skull<br>marrow" OR "calvarial<br>marrow" OR "cranial<br>marrow" OR "skull-<br>meninges" OR "skull<br>meninges" OR "dura-skull<br>channel*" OR "skull-dura<br>channel*" OR "cranial<br>hematopoiesis") AND<br>TITLE-ABS-KEY(mening* OR<br>dura* OR brain OR CNS OR<br>"central nervous system"<br>OR CSF OR "cerebrospinal<br>fluid" OR lymphatic* OR<br>immune* OR hematopoi* OR<br>myeloid OR lymphoid)                                                                                                                                                                                                                                     | TITLE-ABS-<br>KEY | Database<br>inception-11<br>June 2026 | English; no<br>publication-<br>date restriction |
| Scopus | B. Alzheimer's<br>disease/amyloi<br>d and cranial<br>or bone<br>marrow | TITLE-ABS-KEY("skull bone<br>marrow" OR "calvarial<br>bone marrow" OR "cranial<br>bone marrow" OR "skull<br>marrow" OR "calvarial<br>marrow" OR "cranial<br>marrow" OR "bone marrow")<br>AND TITLE-ABS-<br>KEY(Alzheimer* OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TITLE-ABS-<br>KEY | Database<br>inception-11<br>June 2026 | English; no<br>publication-<br>date restriction |

|                                |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |                                 |                                          |
|--------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------|------------------------------------------|
|                                |                                                           | amyloid* OR "amyloid beta" OR "amyloid-β" OR "A beta" OR Aβ OR APP OR "amyloid precursor protein") AND TITLE-ABS-KEY(brain OR CNS OR mening* OR dura* OR CSF OR "cerebrospinal fluid" OR hematopoi* OR immune* OR myeloid OR lymphoid OR osteoblast* OR osteoclast* OR osteoimmun* OR neuroinflamm*)                                                                                                                                                                             |                                                             |                                 |                                          |
| Web of Science Core Collection | A. Cranial marrow–CNS-border anatomy and physiology       | TS = ("skull bone marrow" OR "calvarial bone marrow" OR "cranial bone marrow" OR "skull marrow" OR "calvarial marrow" OR "cranial marrow" OR "skull-meninges" OR "skull meninges" OR "dura-skull channel*" OR "skull-dura channel*" OR "cranial hematopoiesis") AND TS = (mening* OR dura* OR brain OR CNS OR "central nervous system" OR CSF OR "cerebrospinal fluid" OR lymphatic* OR immune* OR hematopoi* OR myeloid OR lymphoid)                                            | Topic (TS: title, abstract, author keywords, Keywords Plus) | Database inception–11 June 2026 | English; no publication-date restriction |
| Web of Science Core Collection | B. Alzheimer's disease/amyloid and cranial or bone marrow | TS = ("skull bone marrow" OR "calvarial bone marrow" OR "cranial bone marrow" OR "skull marrow" OR "calvarial marrow" OR "cranial marrow" OR "bone marrow") AND TS = (Alzheimer* OR amyloid* OR "amyloid beta" OR "amyloid-β" OR "A beta" OR Aβ OR APP OR "amyloid precursor protein") AND TS = (brain OR CNS OR mening* OR dura* OR CSF OR "cerebrospinal fluid" OR hematopoi* OR immune* OR myeloid OR lymphoid OR osteoblast* OR osteoclast* OR osteoimmun* OR neuroinflamm*) | Topic (TS)                                                  | Database inception–11 June 2026 | English; no publication-date restriction |

Abbreviations: AD, Alzheimer's disease; APP, amyloid precursor protein; CNS, central nervous system; CSF, cerebrospinal fluid; MeSH, Medical Subject Headings; TITLE-ABS-KEY, title, abstract, and keywords; TS, Web of Science Topic field. The asterisk (\*) denotes truncation used to retrieve variant word endings. The primary database searches covered database inception through 11 June 2026. The revision-focused supplementary search was conducted separately through 18 September 2026. Only English-language publications were considered, and no publication-date restriction was applied.