Search Strategies

Search Summary:

| Database          | No. Results |
|-------------------|-------------|
| Ovid Medline      | 453         |
| Embase            | 674         |
| Web of Science    | 186         |
| **Total**         | **1313**    |
| Duplicates removed| **307**     |
| **Unique articles to review** | **1006** |

**MEDLINE (via Ovid MEDLINE® ALL, 1946 to present)**

| Search No. | Search Strategy                                                                 | Results |
|------------|---------------------------------------------------------------------------------|---------|
| 1          | exp "Ischemic Stroke"/                                                          | 6575    |
| 2          | (isch?emic adj3 stroke*).tw,kf.                                                 | 74559   |
| 3          | 1 OR 2                                                                          | 75604   |
| 4          | exp "Metabolomics"/ OR "Biomarkers"/me OR exp "Metabolome"/                     | 91855   |
| 5          | (Metabolomic* or Metabonomic* or degradomic* or nutrimetabolomic* or pharmacometabolomic* or pharmacometabonomic* or metabolome* OR ((metabolic OR metabolite*) ADJ3 biomarker*)).tw,kf. | 49030   |
| 6          | 4 OR 5                                                                          | 116816  |
| 7          | 3 AND 6                                                                         | 453     |
| 8          | remove duplicates from 7                                                        | 453     |

**Embase (via Elsevier, Embase.com, 1947 to present)**

| Search No. | Search Strategy                                                                 | Results |
|------------|---------------------------------------------------------------------------------|---------|
| #1         | biological marker'/exp AND 'metabolism'/exp                                     | 137323  |
| #2         | metabolomics'/exp OR 'metabolome'/exp                                           | 53925   |
| #3         | (metabolomic* OR metabonomic* OR degradomic* OR nutrimetabolomic* OR pharmacometabolomic* OR pharmacometabonomic* OR metabolome* OR ((metabolic OR metabolite*) NEAR/3 biomarker*)):ti,ab,de | 69743   |
| #4 | #1 OR #2 OR #3 | 198976 |
|----|----------------|--------|
| #5 | ischemic stroke'/exp | 13155 |
| #6 | (isch$emic NEAR/3 stroke*:ti,ab,de | 125138 |
| #7 | #5 OR #6 | 125296 |
| #8 | #4 AND #7 | 1042 |
| #9 | #8 NOT [conference abstract]/lim | 674 |

Web of Science Core Collection (via Clarivate Analytics, including Science Citation Index Expanded and Social Sciences Citation Index, 1974 to present)

| Search date: May 20, 2022 |
|---------------------------|
| #1 | TS=(isch$emic NEAR/3 stroke*) | 106891 |
| #2 | TS=(Metabolomic* or Metabonomic* or degradomic* or nutrimetabolomic* or pharmacometabolomic* or pharmacometabonomic* or metabolome* OR ((metabolic OR metabolite*) NEAR/3 biomarker*)) | 61959 |
| #3 | #1 AND #2 | 186 |