

## Supplementary Materials

**Table S1: NOS values for the included studies.**

Each author's study can be awarded a minimum of one star (\*) and a maximum of four stars (\*\*\*\*) for each numbered item, as reported in the Newcastle–Ottawa Assessment Scale (NOS) [27].

### Su Z. [30]

| COHORT STUDIES  | Star | Total stars/group | Value |
|---|------|-------------------|-------|
| <b>SELECTION</b>  |      | ****              | 4     |
| 1) Representativeness of the Exposed Cohort                                 | *    |                   |       |
| 2) Selection of the Non-Exposed Cohort                                      | *    |                   |       |
| 3) Ascertainment of Exposure  | *    |                   |       |
| 4) Demonstration That Outcome of Interest Was Not Present at Start of Study | *    |                   |       |
| <b>COMPARABILITY</b>  |      | **                | 2     |
| 1) Comparability of Cohorts on the Basis of the Design or Analysis          | **   |                   |       |
| <b>OUTCOME</b>  |      | ***               | 3     |
| 1) Assessment of Outcome  | *    |                   |       |
| 2) Was Follow-Up Long Enough for Outcomes to Occur                          | *    |                   |       |
| 3) Adequacy of Follow Up of Cohorts   | *    |                   |       |
| <b>TOTAL STARS/ VALUES</b>  |      | nine              | 9     |

### Fan Y. [44]

| COHORT STUDIES  | Star | Total stars/group | Value |
|---|------|-------------------|-------|
| <b>SELECTION</b>  |      | **                | 2     |
| 1) Representativeness of the Exposed Cohort                                 | *    |                   |       |
| 2) Selection of the Non-Exposed Cohort                                      |      |                   |       |
| 3) Ascertainment of Exposure  | *    |                   |       |
| 4) Demonstration That Outcome of Interest Was Not Present at Start of Study |      |                   |       |
| <b>COMPARABILITY</b>  |      | *                 | 1     |

|  |   |      |   |
|--|---|------|---|
| 1) Comparability of Cohorts on the Basis of the Design or Analysis | * |      |   |
| <b>OUTCOME</b>   |   | **   | 2 |
| 1) Assessment of Outcome   | * |      |   |
| 2) Was Follow-Up Long Enough for Outcomes to Occur                 | * |      |   |
| 3) Adequacy of Follow Up of Cohorts                                |   |      |   |
| <b>TOTAL STARS/ VALUES</b>   |   | five | 5 |

### Steinmaus C.M. [29]

| <b>CASE CONTROL</b>   | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|---|-------------|--------------------------|--------------|
| <b>SELECTION</b>  |             | ***                      | 3            |
| 1) Is the Case Definition Adequate?   | *           |                          |              |
| 2) Representativeness of the Cases  | *           |                          |              |
| 3) Selection of Controls  | *           |                          |              |
| 4) Definition of Controls   |             |                          |              |
| <b>COMPARABILITY</b>  |             | *                        | 1            |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | *           |                          |              |
| <b>EXPOSURE</b>   |             |                          | 2            |
| 1) Ascertainment of Exposure  | *           |                          |              |
| 2) Same method of ascertainment for cases and controls                        | *           |                          |              |
| 3) Non-Response Rate  |             |                          |              |
| <b>TOTAL STARS/ VALUES</b>  |             | six                      | 6            |

### D'Ippoliti D. [42]

| <b>COHORT STUDIES</b>   | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|---|-------------|--------------------------|--------------|
| <b>SELECTION</b>  |             | *                        | 1            |
| 1) Representativeness of the Exposed Cohort                                 | *           |                          |              |
| 2) Selection of the Non-Exposed Cohort                                      |             |                          |              |
| 3) Ascertainment of Exposure  |             |                          |              |
| 4) Demonstration That Outcome of Interest Was Not Present at Start of Study |             |                          |              |

|  |   |      |   |
|--|---|------|---|
| <b>COMPARABILITY</b>   |   |      |   |
| 1) Comparability of Cohorts on the Basis of the Design or Analysis |   |      |   |
| <b>OUTCOME</b>   |   | ***  | 3 |
| 1) Assessment of Outcome   | * |      |   |
| 2) Was Follow-Up Long Enough for Outcomes to Occur                 | * |      |   |
| 3) Adequacy of Follow Up of Cohorts                                | * |      |   |
| <b>TOTAL STARS/ VALUES</b>   |   | four | 4 |

### Steinmaus C.M. [35]

| <b>CASE CONTROL</b>   | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|---|-------------|--------------------------|--------------|
| <b>SELECTION</b>  |             | ****                     | 4            |
| 1) Is the Case Definition Adequate?   | *           |                          |              |
| 2) Representativeness of the Cases  | *           |                          |              |
| 3) Selection of Controls  | *           |                          |              |
| 4) Definition of Controls   | *           |                          |              |
| <b>COMPARABILITY</b>  |             | **                       | 2            |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | **          |                          |              |
| <b>EXPOSURE</b>   |             | **                       | 2            |
| 1) Ascertainment of Exposure  | *           |                          |              |
| 2) Same method of ascertainment for cases and controls                        | *           |                          |              |
| 3) Non-Response Rate  |             |                          |              |
| <b>TOTAL STARS/ VALUES</b>  |             | eight                    | 8            |

### Steinmaus C.M. [36]

| <b>CASE CONTROL</b>                 | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|-------------------------------------|-------------|--------------------------|--------------|
| <b>SELECTION</b>                    |             | ****                     | 4            |
| 1) Is the Case Definition Adequate? | *           |                          |              |
| 2) Representativeness of the Cases  | *           |                          |              |
| 3) Selection of Controls            | *           |                          |              |
| 4) Definition of Controls           | *           |                          |              |
| <b>COMPARABILITY</b>                |             | **                       | 2            |

|  |        |       |   |
|--|--------|-------|---|
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis                                  | **     |       |   |
| <b>EXPOSURE</b>  |        | **    | 2 |
| 1) Ascertainment of Exposure<br>2) Same method of ascertainment for cases and controls<br>3) Non-Response Rate | *<br>* |       |   |
| <b>TOTAL STARS/ VALUES</b>   |        | eight | 8 |

### Hsu L. [31]

| <b>COHORT STUDIES</b>  | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|--|-------------|--------------------------|--------------|
| <b>SELECTION</b>   |             | ***                      | 3            |
| 1) Representativeness of the Exposed Cohort<br>2) Selection of the Non-Exposed Cohort<br>3) Ascertainment of Exposure<br>4) Demonstration That Outcome of Interest Was Not Present at Start of Study | *<br>*<br>* |                          |              |
| <b>COMPARABILITY</b>   |             | *                        | 1            |
| 1) Comparability of Cohorts on the Basis of the Design or Analysis   | *           |                          |              |
| <b>OUTCOME</b>   |             | *                        | 1            |
| 1) Assessment of Outcome<br>2) Was Follow-Up Long Enough for Outcomes to Occur<br>3) Adequacy of Follow Up of Cohorts  | *           |                          |              |
| <b>TOTAL STARS/ VALUES</b>   |             | five                     | 5            |

### Ferreccio C. [37]

| <b>CASE CONTROL</b>  | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|--|-------------|--------------------------|--------------|
| <b>SELECTION</b>   |             | ***                      | 3            |
| 1) Is the Case Definition Adequate?<br>2) Representativeness of the Cases<br>3) Selection of Controls<br>4) Definition of Controls | *<br>*<br>* |                          |              |

|   |   |     |   |
|---|---|-----|---|
| <b>COMPARABILITY</b>  |   | *   | 1 |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | * |     |   |
| <b>EXPOSURE</b>   |   | **  | 2 |
| 1) Ascertainment of Exposure  | * |     |   |
| 2) Same method of ascertainment for cases and controls                        | * |     |   |
| 3) Non-Response Rate  |   |     |   |
| <b>TOTAL STARS/ VALUES</b>  |   | six | 6 |

### Dauphiné D.C. [38]

| <b>CASE CONTROL</b>   | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|---|-------------|--------------------------|--------------|
| <b>SELECTION</b>  |             | ****                     | 4            |
| 1) Is the Case Definition Adequate?   | *           |                          |              |
| 2) Representativeness of the Cases  | *           |                          |              |
| 3) Selection of Controls  | *           |                          |              |
| 4) Definition of Controls   | *           |                          |              |
| <b>COMPARABILITY</b>  |             | **                       | 2            |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | **          |                          |              |
| <b>EXPOSURE</b>   |             | **                       | 2            |
| 1) Ascertainment of Exposure  | *           |                          |              |
| 2) Same method of ascertainment for cases and controls                        | *           |                          |              |
| 3) Non-Response Rate  |             |                          |              |
| <b>TOTAL STARS/ VALUES</b>  |             | eight                    | 8            |

### Chen C. [32]

| <b>COHORT STUDIES</b>   | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|---|-------------|--------------------------|--------------|
| <b>SELECTION</b>  |             | ****                     | 4            |
| 1) Representativeness of the Exposed Cohort                                 | *           |                          |              |
| 2) Selection of the Non-Exposed Cohort                                      | *           |                          |              |
| 3) Ascertainment of Exposure  | *           |                          |              |
| 4) Demonstration That Outcome of Interest Was Not Present at Start of Study | *           |                          |              |

|  |   |       |   |
|--|---|-------|---|
| <b>COMPARABILITY</b>   |   | *     | 1 |
| 1) Comparability of Cohorts on the Basis of the Design or Analysis | * |       |   |
| <b>OUTCOME</b>   |   | **    | 2 |
| 1) Assessment of Outcome   | * |       |   |
| 2) Was Follow-Up Long Enough for Outcomes to Occur                 | * |       |   |
| 3) Adequacy of Follow Up of Cohorts                                |   |       |   |
| <b>TOTAL STARS/ VALUES</b>   |   | seven | 7 |

### Paul S. [41]

| COHORT STUDIES  | Star | Total stars/group | Value |
|---|------|-------------------|-------|
| <b>SELECTION</b>  |      | ***               | 3     |
| 1) Representativeness of the Exposed Cohort                                 |      |                   |       |
| 2) Selection of the Non-Exposed Cohort                                      | *    |                   |       |
| 3) Ascertainment of Exposure  | *    |                   |       |
| 4) Demonstration That Outcome of Interest Was Not Present at Start of Study | *    |                   |       |
| <b>COMPARABILITY</b>  |      |                   |       |
| 1) Comparability of Cohorts on the Basis of the Design or Analysis          |      |                   |       |
| <b>OUTCOME</b>  |      | *                 | 1     |
| 1) Assessment of Outcome  | *    |                   |       |
| 2) Was Follow-Up Long Enough for Outcomes to Occur                          |      |                   |       |
| 3) Adequacy of Follow Up of Cohorts   |      |                   |       |
| <b>TOTAL STARS/ VALUES</b>  |      | four              | 4     |

### Marano K.M [43]

| COHORT STUDIES                              | Star | Total stars/group | Value |
|---|------|-------------------|-------|
| <b>SELECTION</b>                            |      | *                 | 1     |
| 1) Representativeness of the Exposed Cohort | *    |                   |       |

|   |   |     |   |
|---|---|-----|---|
| 2) Selection of the Non-Exposed Cohort<br>3) Ascertainment of Exposure<br>4) Demonstration That Outcome of Interest Was Not Present at Start of Study |   |     |   |
| <b>COMPARABILITY</b>  |   |     |   |
| 1) Comparability of Cohorts on the Basis of the Design or Analysis  |   |     |   |
| <b>OUTCOME</b>  |   | *   | 1 |
| 1) Assessment of Outcome<br>2) Was Follow-Up Long Enough for Outcomes to Occur<br>3) Adequacy of Follow Up of Cohorts                                 | * |     |   |
| <b>TOTAL STARS/ VALUES</b>  |   | two | 2 |

#### Wadhwa S.K. [39]

| <b>CASE CONTROL</b>  | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|--|-------------|--------------------------|--------------|
| <b>SELECTION</b>   |             | **                       | 2            |
| 1) Is the Case Definition Adequate?<br>2) Representativeness of the Cases<br>3) Selection of Controls<br>4) Definition of Controls | *<br>*      |                          |              |
| <b>COMPARABILITY</b>   |             |                          |              |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis  |             |                          |              |
| <b>EXPOSURE</b>  |             | **                       | 2            |
| 1) Ascertainment of Exposure<br>2) Same method of ascertainment for cases and controls<br>3) Non-Response Rate                     | *<br>*      |                          |              |
| <b>TOTAL STARS/ VALUES</b>   |             | four                     | 4            |

#### Olsson A.C. [33]

| <b>CASE CONTROL</b>                 | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|-------------------------------------|-------------|--------------------------|--------------|
| <b>SELECTION</b>                    |             | ***                      | 3            |
| 1) Is the Case Definition Adequate? | *           |                          |              |

|   |    |       |   |
|---|----|-------|---|
| 2) Representativeness of the Cases  | *  |       |   |
| 3) Selection of Controls  | *  |       |   |
| 4) Definition of Controls   |    |       |   |
| <b>COMPARABILITY</b>  |    | **    | 2 |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | ** |       |   |
| <b>EXPOSURE</b>   |    | **    | 2 |
| 1) Ascertainment of Exposure  | *  |       |   |
| 2) Same method of ascertainment for cases and controls                        | *  |       |   |
| 3) Non-Response Rate  |    |       |   |
| <b>TOTAL STARS/ VALUES</b>  |    | seven | 7 |

**'t Mannetje A. [34]**

| <b>CASE CONTROL</b>   | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|---|-------------|--------------------------|--------------|
| <b>SELECTION</b>  |             | ***                      | 3            |
| 1) Is the Case Definition Adequate?   |             |                          |              |
| 2) Representativeness of the Cases  | *           |                          |              |
| 3) Selection of Controls  | *           |                          |              |
| 4) Definition of Controls   | *           |                          |              |
| <b>COMPARABILITY</b>  |             | **                       | 2            |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | **          |                          |              |
| <b>EXPOSURE</b>   |             | **                       | 2            |
| 1) Ascertainment of Exposure  | *           |                          |              |
| 2) Same method of ascertainment for cases and controls                        | *           |                          |              |
| 3) Non-Response Rate  |             |                          |              |
| <b>TOTAL STARS/ VALUES</b>  |             | seven                    | 7            |

**Melak D. [40]**

| <b>CASE CONTROL</b>                 | <b>Star</b> | <b>Total stars/group</b> | <b>Value</b> |
|-------------------------------------|-------------|--------------------------|--------------|
| <b>SELECTION</b>                    |             | ****                     | 4            |
| 1) Is the Case Definition Adequate? | *           |                          |              |
| 2) Representativeness of the Cases  | *           |                          |              |
| 3) Selection of Controls            | *           |                          |              |



|   |    |              |          |
|---|----|--------------|----------|
| 4) Definition of Controls   |    |              |          |
| <b>COMPARABILITY</b>  |    | **           | 2        |
| 1) Comparability of Cases and Controls on the Basis of the Design or Analysis | ** |              |          |
| <b>EXPOSURE</b>   |    | **           | 2        |
| 1) Ascertainment of Exposure  | *  |              |          |
| 2) Same method of ascertainment for cases and controls                        | *  |              |          |
| 3) Non-Response Rate  |    |              |          |
| <b>TOTAL STARS/ VALUES</b>  |    | <b>eight</b> | <b>8</b> |