Supplementary Search Strategy.

Pubmed

1. "Psoriasis"[Mesh]
2. psoriasis[Title]
3. 1 OR 2
4. "Skin Neoplasms"[Mesh]
5. (melanoma OR skin cancer OR cancer OR malignan* OR “keratinocyte carcinoma” OR “basal cell carcinoma” OR “squamous cell carcinoma”)[Title]
6. 4 OR 5
7. 3 AND 6

Embase

1. 'psoriasis'/exp
2. psoriasis:ti
3. 1 OR 2
4. 'skin tumor'/exp
5. (melanoma OR skin cancer OR cancer OR malignan* OR “keratinocyte carcinoma” OR “basal cell carcinoma” OR “squamous cell carcinoma”):ti (Word variations have been searched)
6. 4 OR 5
7. 3 AND 6

Cochrane Library Central Register of Controlled Trials

1. MeSH descriptor: [Psoriasis] explode all trees
2. Psoriasis (Word variations have been searched)
3. 1 AND 2
4. MeSH descriptor: [Skin Neoplasms] explode all trees
5. (melanoma OR skin cancer OR cancer OR malignan* OR “keratinocyte carcinoma” OR “basal cell carcinoma” OR “squamous cell carcinoma”):ti (Word variations have been searched)
6. 4 OR 5
7. 3 AND 6
### Supplementary Table 1. The Newcastle–Ottawa scale for selected studies.

| Reference         | Selection of exposed cohort | Selection of non-exposed cohort | Ascertainment of exposure | Outcome not present at start | Comparability of cohorts | Assessment of outcome | Length of follow-up | Adequacy of follow-up | Total score |
|-------------------|------------------------------|---------------------------------|---------------------------|------------------------------|-------------------------|----------------------|----------------------|------------------------|-------------|
| Lee (2019)        | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 9 ★         |
| Lee (2018)        | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 8 ★         |
| Kimball (2018)    | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 8 ★         |
| Gu (2017)         | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 5 ★         |
| Didona (2017)     | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 4 ★         |
| Asgari (2017)     | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 7 ★         |
| Egeberg (2016)    | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 7 ★         |
| Dai (2016)        | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 7 ★         |
| Chiesa (2016)     | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 8 ★         |
| Chen (2013)       | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 1 ★         |
| Lee (2012)        | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 7 ★         |
| Ji (2009)         | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 6 ★         |
| Margolis (2001)   | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 6 ★         |
| Boffetta (2001)   | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 6 ★         |
| Hannuksela-Svahn (2000) | ★                           | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 6 ★         |
| Frentz (1999)     | ★                            | ★                               | ★                         | ★                            | ★                       | ★                    | ★                    | ★                      | 6 ★         |