**Supplementary file three: critical appraisal**

*Critical appraisal of manuscripts was performed using the Joanna Briggs Institute suite of critical appraisal tools available from* <https://joannabriggs.org/critical-appraisal-tools>[accessed 14/09/2020].The case series tool was adapted to include comments on adverse effects and, where appropriate, examples of what each question was interrogating.

**Case series**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author  (year),  [citation] | Clear inclusion criteria? | Reliable standard measurement of presenting condition? | Valid identification of infection (e.g. defined microbiology)? | Consecutive inclusion? | Complete inclusion and reporting? | Clear patient demographic data (e.g. range and mean of patient age)? | Clear clinical reporting (pre- treatment)? | Clear outcome or follow up reporting (e.g. clinical outcome)? | Comments on adverse effects? | Clear site demographic (e.g. study location)? | Appropriate statistical analysis, if present? | Comments |
| Albee (1933), [41] | Yes | No | No | Yes | Unclear | No | No | No | No | No | N/A |  |
| Bernstein (1940), [24] | No | Unclear | No | Unclear | Yes | No | No | Yes | Yes | No | N/A |  |
| Baker (1963), [20] | Yes | Yes | Yes | No | No\* | Yes | Yes | Yes | Yes | No | N/A | \*States the ‘above case reports are a few of many which give evidence to the value and safety of SPL’. |
| Matusis (1974), [25] | Yes | Unclear | Yes | Unclear | No\* | No | No | Yes | No | Yes | N/A | \*65/89 cases included. The report states 94 patients but data for 5 are absent. |
| Slopek *et al.* (1987), [19] | No | Yes | Yes | Unclear | Yes | Yes | Yes | Yes | Yes\* | Yes | Yes | \*See preliminary paper Slopek *et al.* 1983 [42] |
| Southwest Regional Woundcare Centre (2006), [23] | No | Unclear | No | No | Unclear | Yes | Yes | Yes | No | Yes | N/A |  |
| Fish *et al.* (2016), [33] | Yes | Yes | Yes | Unclear | No\* | Yes | Yes | Yes | Yes | Yes | N/A | \*Nine patients treated; six ‘representative’ cases presented. |
| Fish *et al.* (2018), [35] | Yes | Yes | Yes | Unclear | Yes | Yes | Yes | Yes | Yes | No | N/A |  |
| Onsea *et al.* (2019), [37] | Yes | Yes | Yes | Unclear | Yes | No | Yes | Yes | Yes | Yes | N/A |  |

**Case reports**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Author  (year)  [citation] | Were the patient’s demographic characteristics clearly reported? | Was the patient’s history clearly described? | Was the current clinical condition clearly described? | Were diagnostic tests or methods and results clearly described? | Were the treatment(s) or intervention(s) clearly described? | Was the post-intervention clinical condition clearly described? | Were any adverse or unanticipated events clearly described? |
| Ferry *et al.* (2018), [39] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Ferry *et al.* (2018), [40] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Fish *et al.* (2018), [34] | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Nir-Paz *et al.* (2019), [36] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Tkhilaishvili *et al.* (2020), [38] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Doub *et al.* (2020), [32] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Cano *et al.* (2020), [27] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Ferry *et al.* (2020), [26] | Yes | Yes | Yes | Yes | Yes | Yes | Yes |