

Radiotherapy in psoriasis - literature search protocol March 2020

Aim: To identify medical research papers that assess the evidence of effectiveness of radiotherapy in the treatment of psoriasis

PICO

Population: Patients with psoriasis

Intervention: Radiotherapy

Comparison: Other treatments for psoriasis or no treatment

Outcomes: Improvements demonstrated via a validated assessment/impact tool and/or quality of life measures (see Appendix 1)

Medical literature databases

- PubMed (Medline) database <https://pubmed.ncbi.nlm.nih.gov>
- Cochrane Library <https://www.cochranelibrary.com>
- Agency for Healthcare Research and Quality <https://www.ahrq.gov>
- Health Technology Assessment Service (Canada) <https://www.cadth.ca/about-cadth/what-we-do/products-services/hta>
- Turning Research into Practice (TRIP) <http://www.tripdatabase.com>
- University of York Centre for Reviews and Dissemination <https://www.crd.york.ac.uk/CRDWeb/HomePage.asp>
- National Institute for Health and Clinical Excellence (NICE) (www.nice.org.uk)
- National Library for Health (www.library.nhs.uk/)

Search Strategy

- Psoriasis [Mesh] OR Psori* [Abstract/Title]

AND

- "Radiotherapy"[Mesh] OR "radiotherapy" [Subheading] OR "Radiotherapy, Image-Guided"[Mesh] OR "Radiotherapy, Intensity-Modulated"[Mesh] OR "Radiotherapy, Conformal"[Mesh] OR "Radiotherapy, High-Energy"[Mesh] OR "Radiotherapy, Computer-Assisted"[Mesh] OR "Radiotherapy Planning, Computer-Assisted"[Mesh] OR "Radiotherapy Dosage"[Mesh] OR "Brachytherapy"[Mesh] OR "Radiation Dose Hypofractionation"[Mesh] OR "Dose Fractionation, Radiation"[Mesh] OR radiotherapy OR radiation OR RT OR external beam radiation therapy OR external beam radiotherapy OR intensity moderated radiation therapy OR IMRT OR 3dcrt OR "3D-CRT" OR "3-D CRT" OR "3D CRT" OR grenz

Inclusion/exclusion criteria

- UV/phototherapy radiation
- No date restrictions - papers over the last 30 years or more if identified
- No publication type restrictions - likely to be case study level of evidence or opinion pieces

The clinical databases listed above were searched on Wednesday 18th March using relevant medical subject headings [Mesh], free-text terms and study type filters where appropriate. Studies published in languages other than English were included but not reviewed in full. All potentially relevant results were manually screened and collated.

Appendix 1: Assessment and impact tools for psoriasis Body surface area affected (BSA) Copenhagen Psoriasis Severity Index (CoPSI)

Global Severity Score (GSS)

Head And Neck PASI (HN-PASI)

Lattice-System Physician's Global Assessment (LS-PGA)

Nail Psoriasis Severity Index (NAPSI)

Physician's global assessment (PGA): static score Physician's Global Assessment (PGA): dynamic score Psoriasis Area and Severity Index (PASI) Psoriasis Scalp Severity Index (PSSI)

Salford Psoriasis Index (SPI)

Scalp-Modified PASI (s-mPASI)

Scalp-Specific Patient's Global Assessment (S-PaGA): dynamic

Target plaque scores

Patient assessment of severity:

Self-administered PASI (SAPASI)

Body surface area affected – Patient Report of Extent of Psoriasis Involvement (PREPI)

Children's Dermatology Quality of Life Index (CDLQI)

Dermatology Quality of Life Scales (DQOLS)

Dermatology Quality of Life Index (DLQI)

Impact of Psoriasis Questionnaire (IPSO)

Psoriasis Disability Index (PDI)

Psoriasis Index of Quality of Life (PSORIQoL)

Psoriasis Life Stress Inventory (PLSI)

Psoriasis Quality of Life Questionnaire (PQoL-12)

Questionnaire on Experience with Skin Complaints (QES)

Salford Psoriasis Index (SPI)

Scalpdex

Skindex-17

Skindex-29

The Dermatology Specific Quality Of Life Instrument