Rheumatology and Therapy



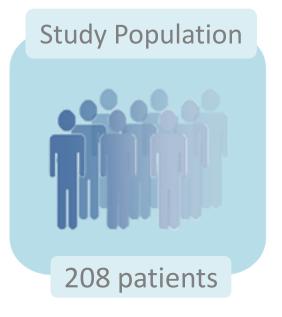
PEER-REVIEWED **INFOGRAPHIC**

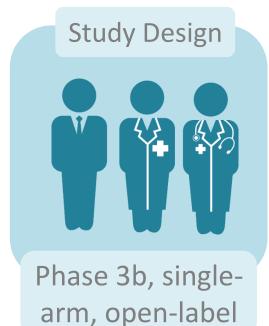
Safety and Efficacy of Repeat Administration of Triamcinolone Acetonide Extended-Release in Osteoarthritis of the Knee: A Phase 3b, Open-label Study

Spitzer, A.I., Richmond, J.C., Kraus, V.B. et al. Rheumatol Ther (2019) 6: 109. https://doi.org/10.1007/s40744-019-0140-z

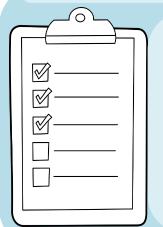




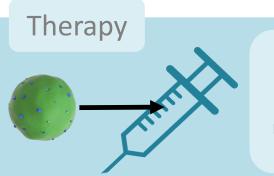




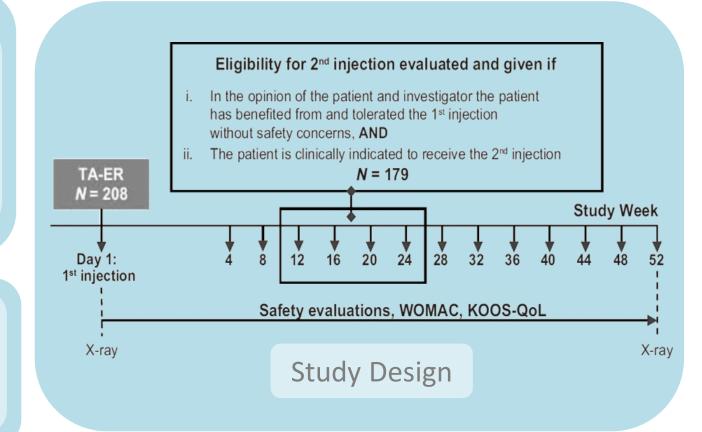
Inclusion Criteria



- Age ≥ 40 years
- Knee OA per ACR criteria
- OA symptoms ≥ 6 months
- Index-knee pain > 15 days in the past month
- WOMAC-A (pain) total sum ≥ 6

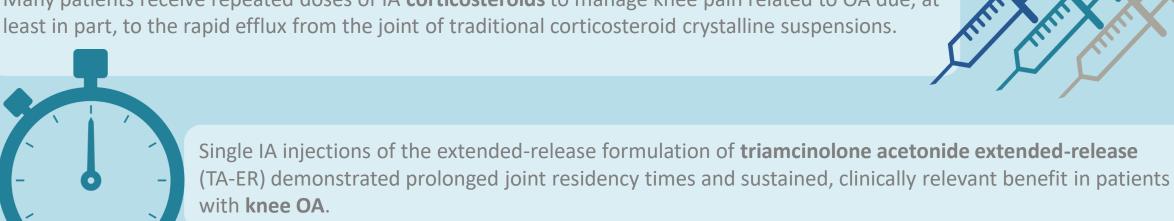


Triamcinolone Acetonide Extended-Release, a novel poly(lactic-co-glycolic acid) microsphere-based formulation of triamcinolone acetonide



Why carry out this study?

Many patients receive repeated doses of IA corticosteroids to manage knee pain related to OA due, at



This study was conducted to assess the **safety** and exploratory **efficacy** of repeat administration of TA-ER. It utilized a flexible dosing interval for patients to receive a 2nd injection based on duration of benefit from the 1st injection. The patient population included in this study was reflective of those seen in "real-world" clinical practice.



What was learned from the study?

Safety

The **safety** profile was similar between the 1st and 2nd injections, with no unexpected adverse events or significant radiographic changes at Week 52.

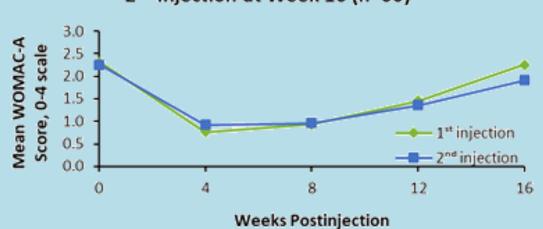
Duration

86.1% of patients received the 2nd injection, with a median time to 2nd injection of **16.6 weeks**.

Response Improvement

Through 12 weeks after both injections, the magnitude and duration of clinical benefit were similar, and most patients reported a substantial (≥50% improvement) analgesic response.

2nd Injection at Week 16 (n=60)



Comparison of mean WOMAC-A (pain) scores following the 1st and 2nd TA-ER injections for patients who received the 2^{nd} injection at Week 16 (N = 60) (efficacy population)

Abbreviations: OA = Osteoarthritis; ACR = American College of Rheumatology; IA = intra-articular; WOMAC-A = Western Ontario and McMaster Universities Osteoarthritis Index