

**Full Study Title** Evaluation of the impact on disease severity of treatment-related educational advice delivered by general practice based clinical pharmacists to the parents/carers of children with atopic eczema: a randomised study

**IRAS ID** 270218

**Sponsor Organisation Name** Rotherham Doncaster and South Humber NHS FT

### **Lay summary of study results**

**BACKGROUND:** Lack of patient education is a potential cause of therapeutic failure in atopic eczema. This could be addressed through the delivery of educational support to the parents of children with eczema by practice-based pharmacists.

**OBJECTIVES:** The present study examined whether an educational intervention by practice-based pharmacists improved both parental knowledge of atopic eczema management and disease-related outcomes.

**METHODS:** Parents of children with eczema received a single consultation and one follow-up appointment approximately four weeks later, with a practice-based pharmacist. Disease severity was assessed using the Patient-Oriented Eczema Measure (POEM) and parental knowledge with the modified Person-Centred Dermatology Self-Care Index (PEDESI). The primary outcome was the change from baseline in the POEM score and the secondary outcome the corresponding change in PEDESI scores.

**RESULTS:** A total of 52 children with a mean age of 39.8 months (46.3% girls) were recruited. All 52 provided baseline, and 27 provided follow-up POEM scores. Baseline and follow-up PEDESI scores were available for 35 and 24 parents respectively.

**CONCLUSION:** Despite a non-significant decrease in POEM score, parental knowledge of eczema management improved significantly, warranting further studies with a large patient/parent cohort to better understand the value of educational support delivered by practice-based pharmacists.

Has the registry been updated to include summary results?