



ANALYSIS OF BETA-LACTAM ALLERGIES: "DE-LABEL YOUR ALLERGY" PROJECT

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❖ BACKGROUND AND IMPORTANCE

- The "De-label Your Allergy" Project aims to identify and correct **incorrect allergy labels** in patients' medical records using **PEN-FAST** (a validated tool for assessing penicillin allergy risk)
- The project ensures that patients receive the most **effective, safe, and appropriate antimicrobial therapy**

❖ AIM AND OBJECTIVES

Update allergy records in the **electronic prescription (EP)** and **digital clinical history (DCH)**.

❖ MATERIAL AND METHODS

◆ **Descriptive study** ◆ **Study Period:** June–October 2024 ◆ **Setting:** Tertiary care hospital

PEN-FAST Score: Reactions in last 5 years (2 pts)// Angioedema/anaphylaxis (2 pts)// Severe cutaneous reaction (2 pts)// Required treatment (1 pt)

Decision Based on Score: 0 points → Allergy record removed // **≥2 points** → Referral for allergy evaluation

❖ RESULTS

- **33 Patients Included**

Mean Age: 72.3 years (SD=15.1)

Sex Distribution: 56% Female

- **Recorded Allergy Types:**

TG BL: 6 patients // Penicillins: 12 patients// AS Amoxicillin: 8 patients// Other BL: 7 patients

➔ **3% had allergy studies and 44% had BL prescriptions in the last 5 years**

- **Types of reactions included:**

Diarrhea (9%), syncope (6%), and reaction at the injection site (12%)

- **PEN-FAST Scores:**

SCORE	PATIENTS
0 pts	21 (Record removed)
2 pts	9 (Referred)
≥3 pts	3 (Referred)

🎯 **Total Allergy Records Removed: 26 (79%) Total Referred for Allergy Study: 7 (21%)**

❖ CONCLUSION

- ✓ The "De-label Your Allergy" project successfully identified **incorrect allergy labels**.
- ✓ Updating BL allergy records enhances **safe antibiotic use**.

