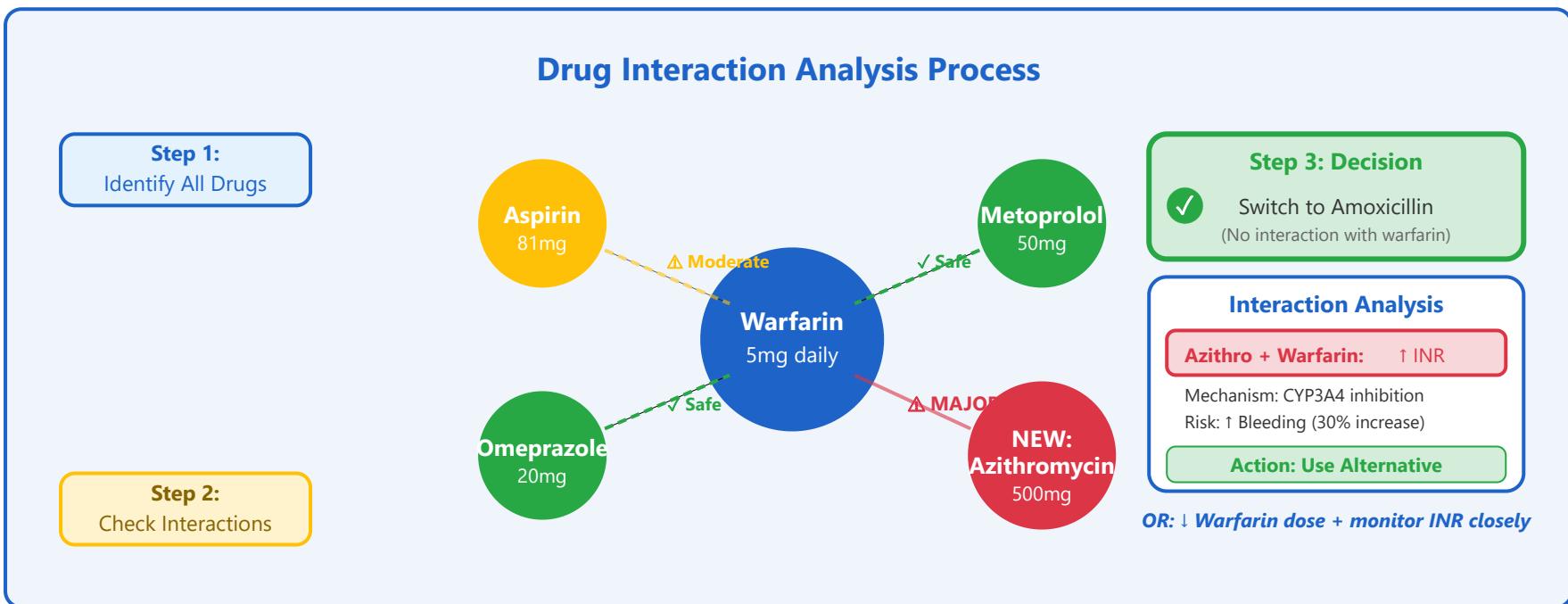


## Drug Interaction Reasoning with CoT



### CoT Reasoning Steps

- 1. Identify:** List all current medications → Warfarin, Aspirin, Metoprolol, Omeprazole
- 2. New drug:** Azithromycin for pneumonia → Check database for interactions
- 3. Analysis:** Major interaction found → CYP3A4 inhibition → ↑ warfarin levels → ↑ bleeding risk
- 4. Decision:** Use alternative (Amoxicillin) OR adjust warfarin + intensive monitoring

**Safety First:** CoT catches potential harms before they occur