



ANALYSIS OF DESENSITIZATION PROTOCOLS USED IN ONCOLOGY PATIENTS IN A TERTIARY HOSPITAL.

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Background

Drug desensitization helps patients tolerate medications that previously caused allergic reactions. Patients receive customized doses through controlled serial dilutions, with premedication given two days before and on the day of desensitization.

Aim

To describe desensitization protocols and test if prick test results for skin allergies relate to immediate anaphylactic reactions during infusions. We also reviewed common adverse events with chemotherapy before desensitization protocol.

Method

Study design.

- Retrospective and observational.
- September 2023 - September 2024.

Study population: 34 patients.

Inclusion Criteria: Patients who required a desensitization protocol during chemotherapy.

Variables

- **Qualitative:** Sex, diagnosis, death, protocol received, skin allergy tests (drugs analyzed and results), symptoms during reaction, treatment response, relapses, and treatment changes.
- **Quantitative:** Patient age, protocol duration, total number of desensitization cycles performed.

Results

Median age	60(IQR 66-53.7).			
Sex	79.4% female			
Diagnosis	ovarian	61.7%	osteosarcome	2.2%
	endometrial	11.7%	hodkin's lymphoma	2.2%
	lung	11.7%	colorectal	2.2%
	prostate	5.8%	breast	2.5%

Desensitization protocols	taxanes	44,1%	gemcitabine	5.8%
	platinums	35,2%	trastuzumab	3.2%
	etoposide	11,7%		
Median treatment duration (days)	86(177-64.5)	Skin prick test	94.1% of patients with 38.2% positive	
Hypersensitivity reactions	erythema	70.5%	low back pain	22.8%
	chest pain	70.3%	cardiovascular problems	20,5%
	dyspnea	23.5%	abdominal pain	17.6%
	gastrointestinal disorders	23.2%	dizziness	14,7%
	sweating	11.7%	loss of consciousness	2.9%

Conclusions

Chemotherapy desensitization allows allergic patients to safely undergo treatments through carefully designed protocols and close monitoring. While it doesn't completely eliminate hypersensitivity risks, it significantly reduces them.