

CLINICAL, ECONOMIC AND ORGANISATIONAL IMPACT OF PHARMACISTS' INTERVENTIONS IN ONCOLOGICAL CARE PATIENTS

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BACKGROUND AND IMPORTANCE

Clinical pharmacy is considered an integral discipline in the health care system to improve patients' health outcomes by optimizing therapy and reducing drug-related problems (DRP), highly detected in oncological patients with complex therapies.

AIM AND OBJECTIVES

Evaluate the clinical, economic and organisational impact of pharmaceutical interventions (PI).

MATERIALS AND METHODS

DESIGN	INCLUSION CRITERIA	VARIABLES	TOOLS
Observational, Prospective and interventionist study. From October 2020 to March 2021.	Hospitalised patients. Oncology unit.	Demographic' data. DRP detected and severity. Drug. PI recommended, its acceptance and later implementation.	CLEO (To evaluate clinical, economical and organisational IP' impact) Overhage & Lukes (To assess errors' severity) Spearman's correlation coefficient (To measure the degree of association between IP' importance and severity)

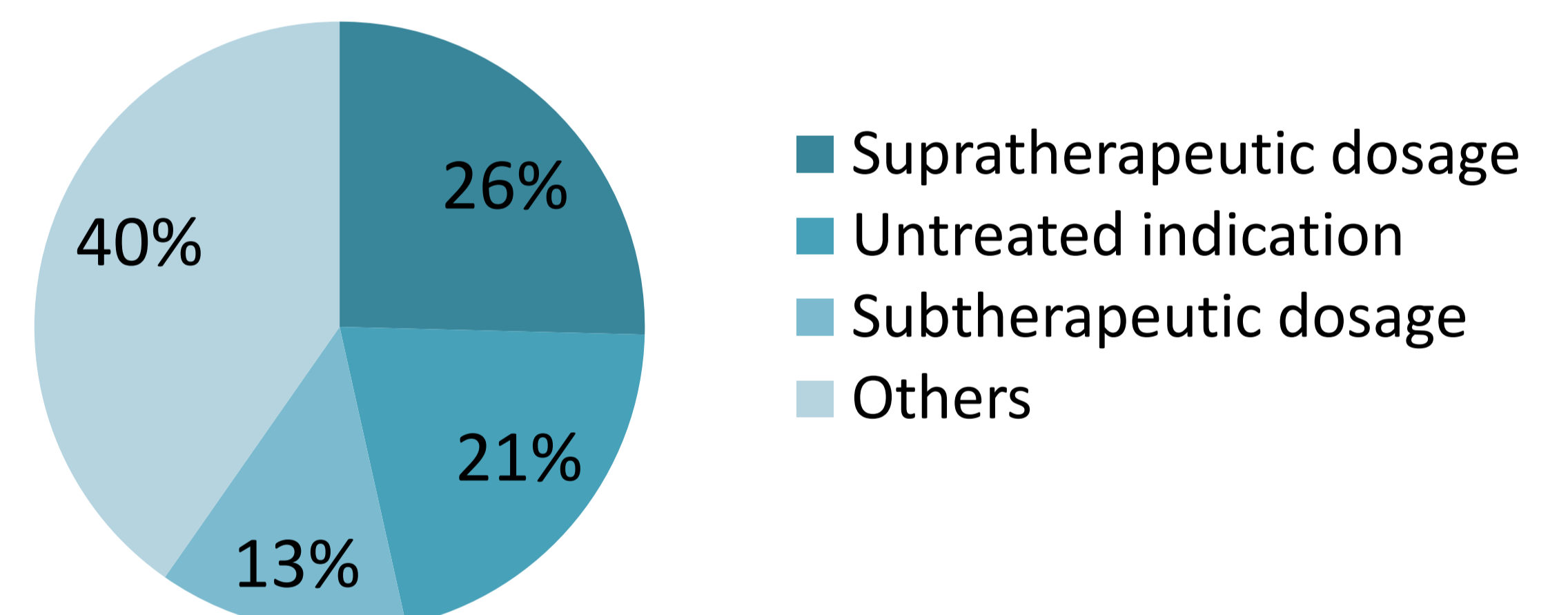
RESULTS

153 patients	
Mean age	66 years
Sex	50% female



114 IP to 51 patients

Most common DRP identified



Medication errors were considered **significant** in **68.4%** of cases.

CLEO

78,1% were **accepted** by the clinicians

Clinical impact	20,8% IP were relevant
Economical impact	33,3% IP decreased the cost
Organisational impact	80.7% IP were favourable on the quality of medical care

CORRELATION

Medium statistical reliability level

Error & Clinical impact	Spearman's $\rho=0,343$
Error & Economical impact	Spearman's $\rho=0,439$
Error & Organisational impact	Spearman's $\rho=0,487$

CONCLUSION AND RELEVANCE

- The present study proves **clinical pharmacists** play a key role for detecting DRPs during medication review, whose severity relates to significant **clinical, economic and organisational relevance**.
- PIs allow an improvement of the quality standards of medical care while having a positive impact on cost-saving in the clinical process.
- Including a clinical pharmacist as an **essential member** of the **multidisciplinary group** would lead to an improvement in the care process.