

APPLICATION OF A TIME SLOT MODEL IN ONCOLOGY: DELIVERY PLANNING AND PROCESS OPTIMISATION

C. Bertino¹, M. Di Gerardo¹, A. Pirrone¹, E. Dalla Fontana¹, G. Caravella², A. Spagnuolo², R. Cursano².

¹Università Degli Studi Di Milano, Scienze Farmaceutiche - Scuola Di Specializzazione Farmacia Ospedaliera, Milano, Italy.

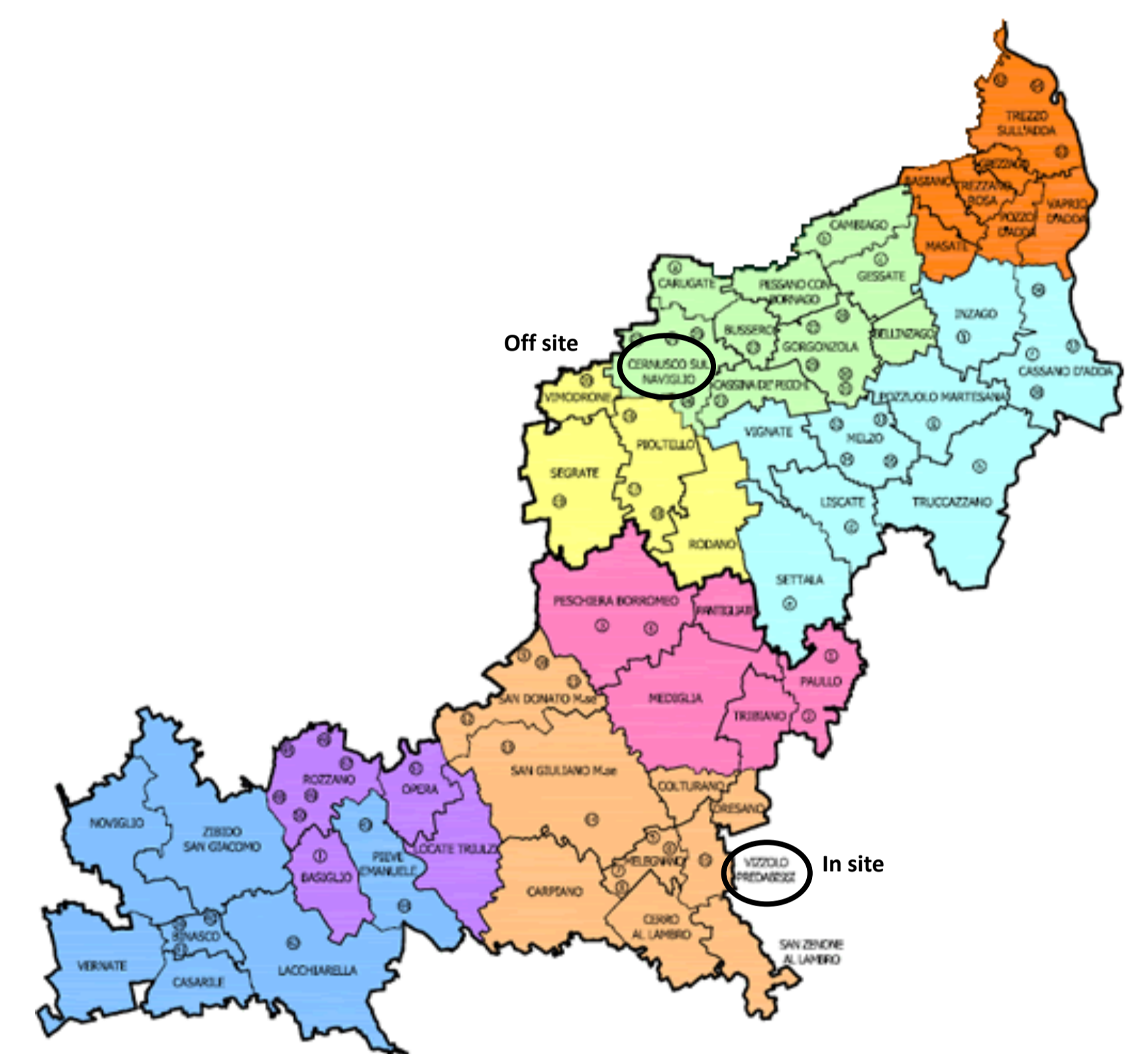
²ASST Melegnano Martesana, Farmacia, Vizzolo Predabissi, Italy.

Background and importance

A new time-slot model for the delivery of cancer therapies has been introduced in our laboratories of Galen clinic. This organisation consists in time slots for reasons of economic sustainability and to avoid waste.

Aim and objectives

In our ASST anticancer therapies are administered in two oncology wards, one of which is located 20 kilometers far from the preparation site. The aim is to optimise the management of anticancer drugs.



Material and methods

The organisation requires the use of safe containers for transportation. Various parameters of the therapies have been taken into consideration:

- costs of the drugs;
- chemical-physical stability;
- average number of daily dosing;
- duration of dosing.

Results

Where	Delivery time	Preparation time	Therapies characteristics		
			cost	chemical-physical stability	duration of dosing
on site	8.00	day before	low	extended	long term
off site	14.00				
on site	9.30	same day after medical confirmation	medium or high	extended	long term
off site	10.00				
on site	10.00				
on site	12.00				
off site	11.00				
on site	14.00	high	not relevant	short term	

Conclusion and relevance

The introduction of this organisation has led to great advantages:

- optimisation of time delivery;
- reduction of waiting times for patients;
- better communication among pharmacists, oncologists and nurses;
- improvement of the occupancy rate of chairs in Day Hospital.



<https://www.eahp.eu/>
25-11SG-018