



CASE REPORT

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Developed & Funded by ESOP Education Committee

A 59 YEARS OLD MAN WITH STAGE IV MALIGN LUNG CARCINOMA

AUTHORS:

MSc.Ahmet Sami BOŞNAK, University of Gaziantep, Oncology Hospital, Central Cytotoxic Preparation Unit, Turkiye.

AUDIENCE:

Oncology Pharmacists, Pharmacists, Pharmacy Technicians.

GOAL:

The goal of this activity is to reinforce and highlight common concepts, situations, and presentations that Oncology Pharmacists will encounter on a regular basis in order to provide supportive continuing education that illustrates real-world conditions and situations.

TARGET BEHAVIOUR:

Upon completion of this activity, participants will be able to have access to knowledge of cytotoxics pharmacokinetics, possible differences with concentration, storage environment like containers and protection from sunlight.

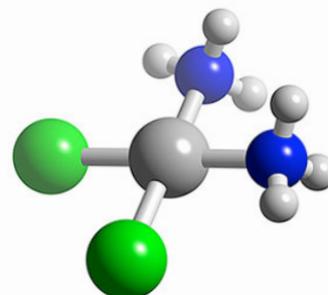
STORY & INFORMATION:

59 years old male patient, undergoes treatment in Oncology Department with Stage IV Malign Lung Carcinoma. The patient was treated by Radiotherapy and received four cure Docetaxel, Cisplatin, Zoledronic Acid. Medical Oncology Doctor designed to implement the patient with Cisplatin +Pemetrexed protocol.

(Weight: 72 kg Height: 165 cm Body Surface Area:1.79 m²)



PROTOCOL INCOME



CISPLATIN



PREPARATION

Protocol:

Cytotoxic	Dose	Route	Schedule
Pemetrexed	500mg/m ²	iv 10 min infusion	1st day*
Cisplatin	50mg/m ²	iv 120 min infusion	1st day*
Zoledronic acid	4mg	iv bolus	every 21 day

*Repeat every 3 weeks, after fourth cure sent patient about a whole diagnose.

PREPARATION:

Prescription received pharmacy at 09:00AM. Physician explained in detail how to prepare the solutions.



Cytotoxic	Preparation
Pemetrexed	895mg Pemetrexed with 500ml Saline Solution
Cisplatin	89.5mg Cisplatin with 500ml 1/3 sal/dex Solution

Oncology Pharmacists called the physician in order to warn about Cisplatin preparation. Oncology Pharmacists told him that Cisplatin should be prepared only with Saline Solution.

However, physician told that 1/3 solutions contains sufficient amount of saline solution (Dextrose monoh. 3.33 %, Sodium chl. 0.3 %). Oncology Pharmacists had found the explanation sufficient and allowed preparation. 895mg Pemetrexed and 500ml Saline %0.9 Solution inserted to the sunlight protected bag with secondary colored bag; 89.5mg Cisplatin 500ml 1/3 Saline/Dex Solution inserted to the bag and all preparations made under sterile safety cabinet conditions with closed connector systems.

09:30AM: It was transported to the department.

ADMINISTRATION:

Chemotherapy Nurse verified the final bags and launched the application.

CONCLUSION&DISCUSSION:

Oncology Pharmacist's decision is true or false?Why?

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