



# PATIENT SAFETY

PATIENT SAFETY SESSION , SUB GROUP 9



**MEDICINE**  
KING SAUD UNIVERSITY



# GROUP MEMBERS

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# TITLE OF THE VIDEO

TITLE OF THE VIDEO & LINK :

## MEDICAL ERRORS

**REFERENCE :** <https://www.youtube.com/watch?v=cipFuDxiF2Y&t=23s>

# SUMMARY OF THE SENARIO

## SUMMARY OF THE CASE PRESENTED IN THE VIDEO :

Mrs. Hughes is a 40 years old female patient diagnosed with cancer receiving chemotherapy with Dr.Livin Stone. Dr.Stone decided to inject the patient with vincristine IV and methotrexate intrathecally at the same time.

Early that day the pharmacists called Dr. Stone and told her there is issue of using both vincristine IV and methotrexate intrathecally at the same time , and she answered that is okay and she will take the full responsibility of the procedure.

The patient called after and told the nurse she will be late 2 hours. Suddenly Dr. Stone had an emergency situation and she had to leave the hospital. Before leaving she asked Dr.Cambile if he can cover afternoon for her and do the chemotherapy procedure , but she forget to tell him there is two different medications.

Before the patient arrived Dr.Cambile went to the pharmacy and collected the vincristine and putted in the fridge of the ward. Patient came and Dr.Cambile started the procedure with the nurse Abby.

During the procedure Abby left for another patient who was unstable. Dr.Simon came to Dr.Cambile and offered help.

Dr Cambile asked him if he can bring the medication from the fridge then Dr.Cambil injected the vincristine intrathecally instead of methotrexate. Then Abby came back and asked them surprisingly which medication has been injected because she had the methotrexate with her all that time. After that Dr.Cambile noticed his mistake.

# DISCUSSION MATERIALS

## 1/ HUMAN FACTORS :

- LACK OF ORGANIZATIONAL LEADERSHIP
- INADEQUATE EDUCATION
- HIGH WORKLOAD

# DISCUSSION MATERIALS

## 2/ CHARACTERISTICS OF HRO :

HPO = HIGH RELIABLE ORGANISATION

- EFFECTIVE TEAMWORK
- RESPECT RULES
- COMMUNICATION

# DISCUSSION MATERIALS

## 3/ SWISS CHEESE MODEL :

The Swiss Cheese model of accident causation is a model used in the risk analysis and risk management of human systems

- PATIENT INTERACTION WITH THE PHYSICIAN
- CLEAR TYPING FOR MEDICATIONS ON REPORTS AND PAPERS

# SUMMARY

## Managing patient safety requires understanding of systems and human factors which are :

- Human factors are human and individual characteristics which influence behavior at work in a way which can affect health and safety.
- Team leaders, also called supervisors or front line managers, are typically responsible for a small group of people working together to achieve a common task.
- High reliability organizations are organizations with systems in place that make them exceptionally consistent in accomplishing their goals and avoiding potentially catastrophic errors.
- Characteristics of high reliability organizations: effective teamwork, effective communication, respect rules
- Swiss cheese model is a model used in the risk analysis and risk management of human system.





# THANK YOU

PLEASE CONTACT US IF YOU HAVE ANY PROBLEM .



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