Chemotherapy Administration Process at Ambulatory Treatment Unit (ATU)

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		Enhanced ATU Workflow	
ATU Workflow (Screened Part A)		Cannulator performs the following: 1. <u>Preparation phase (Prep Rm)</u> - Take case and chemo drugs from Prep room - Verify drugs and check special instructions on with MOSAIQ Navigator - Perform 1 st Independent check, adhering to 7 administration rights	
ATU Sulte - Team Leader	Refer to Part B workflow	Prime required tubings/ prepare required requisites Place oral meds in designated tote box (if applicable) Patient Chair/ Bedside Perform 2 patient identifiers at pt side using COW with Floater Floater performs 2 nd independent check adhering	

Introduction

In ATU, we experience the continued shift of chemotherapy from inpatient to the outpatient setting. With increasing complexity of chemotherapy treatments, coupled with the expansion of <u>Clinical</u> <u>Trials</u>, the notion for lean management of chemotherapy work process is explored. 'Waste' are identified and reviewing of chemotherapy work processes within the unit are done to enhance medication safety for patients and nurses leading to higher experiences' satisfaction.



- To review current chemotherapy work process and identify 'waste'.
- To improve the process of safe chemotherapy infusion by implementing independent double-checking.
- To improve our Infection control processes at the unit to better protect our patients, staff and visitors from healthcare associated infection.



Methodology

• Step-by-step review on current chemotherapy work process Current chemotherapy workflow was mapped out to identify areas where we can reduce 'waste'. Enhancement of workflow was carried out with reduction of 'waste' identified.

 Re-educate on principles of infection control
To enhance safety for patients, we reviewed our workflow and identified areas that are at risk of contamination.

• Incorporating double-checking into chemotherapy work process The notion of independent double checker is put in process.

- In a bid to educate the nurses on the improved workflow process, we conducted roadshows for nurses, as well as showing a stepby-step video to get comments and feedback before
- Patients' feedback → new work flow is more systematic and organized.

Results

- With introduction of team lead for the nurses → more defined roles, leading to enhance care rendered for the patients → nurses express enhanced satisfaction.
- With introduction of independent double check \rightarrow more medication near miss incidents had been picked up \rightarrow

implementing.



leading to enhancement in medication's safety for patients.

Conclusions

With the initiation of process enhancement in chemotherapy administration in the Ambulatory Treatment Unit (ATU), it is recognised that the enhanced work flow is more systematic and organized. Nurses verbalised enhanced satisfaction in performing their duties. There is enhancement in medication's safety for patients leading to higher patient's satisfaction.