

INTRODUCTION

KKH provides services to a diverse population of patients ranging from Neonates to Adult (women). There was no standard practice in the administration of intramuscular (IM) injection. This resulted in different practices that could have compromised patient safety and may have an adverse outcome. A review was done to ensure nurses had a better understanding and a standard protocol to follow in both Women and Children services for the administration of an IM injection after patient's feedback on the difference in practices by nurses.



1. Improve the understanding and process by the nurses for the Administration of an IM Injection for the woman services 2. Align the KKH Policy and Procedure (PnP) for Women and Children 'Administration of IM Injection' 3. Develop an educational brochure for nurses to provide a standardized education for all patients and their caregivers. 4. Improve overall patient experience and safety

METHODOLOGY

Based on patient's feedback, a workgroup was formed. It consisted of one nurse representative each from Pediatrics, Obstetrics, Gynae Oncology, Urgent O&G Clinic and Nurses Development Unit.

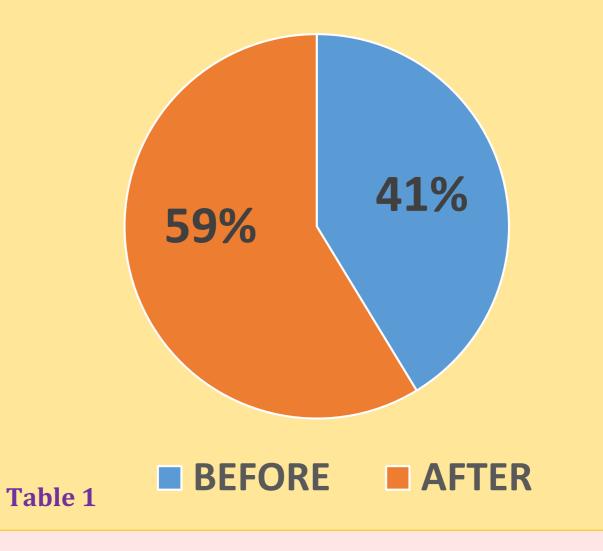
From the period July 2018 to January 2019, the workgroup members discussed on how to improve and standardize the practice and developed and tested the IM Competency Checklist (Figure 1) and educational brochure for nurses (Figure 2).

FINDINGS

QUESTIONNAIRE

questionnaire findings; The confident in are nurses administering IM Injection (Table 1) however they have no standard advice to patients on coping with side-effects and preferred an education leaflet to provide for patients/caregiver.

Perceived Confidence Level of the Nurses



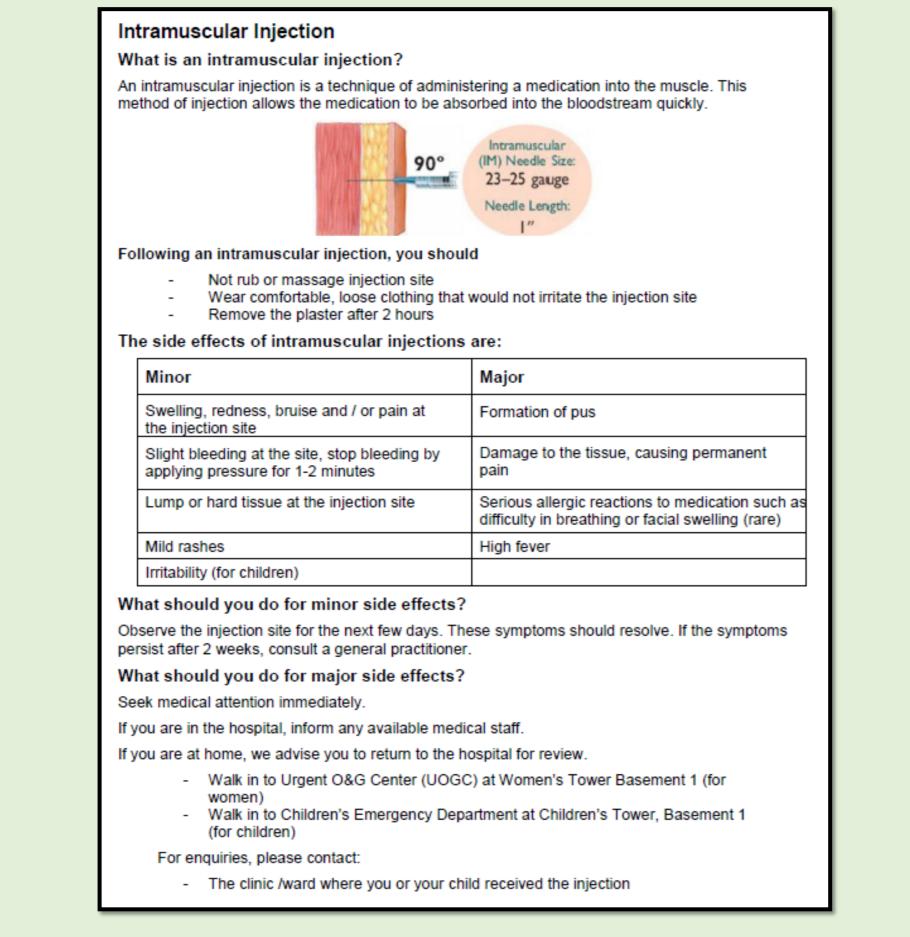
Usefulness of the **Educational Brochure for**

Figure 1. IM Competency Checklist

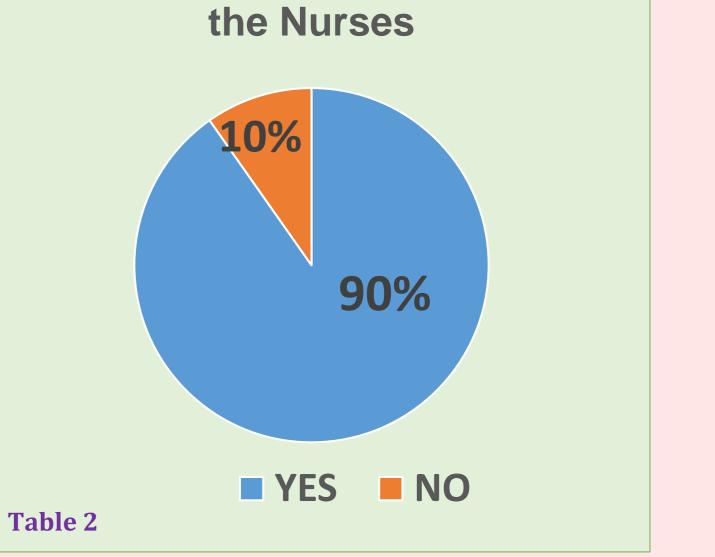
KK WOMEN'S AND CHILDREN'S HOSPITAL COMPETENCY CHECKLIST FOR ADMINISTRATION OF INTRAMUSCULAR (IM) INJECTION BY REGISTERED NURSE (ADULT & PAEDIATRICS)		Name	Employee No:	Employee No:							
		S/N	CRITERIA				s	/N CRITERIA			
		3/14	CRITERIA	1	2	3		D. Analy apple approximate the site and do NOT approach site	1 2 3 re to the site and do NOT massage site		
Name of Assessee: Employee No:		11.	Perform hand hygiene				4		-		\perp
Dept / Ward: Date:			Confirm right patient and right prescription:				2	 Remove the cotton swab when bleeding stops. Apply adhesive bandage required. 	IT		
			 Scan barcode of patient's identification (ID) tag and verify the two patient's identifiers with the KBMA screen, if using CLMM. 				2	 Advice patient to observe for any signs of adverse drug reactions and to inform the nurse immediately and document on Clindoc. 			

Instructions for assessor:			·	inform the nurse immediately and document on Clindoc.
 Assess staff according to the performance criteria. 			- Ask patient / caregiver for the name / registration number and check	23. Perform hand hygiene.
 Place a tick (✓) for 'Met', a cross (×) for 'Not Met' or (NA) for 'Not Applicable', in the columns provided for each competency assessment. Comment on the staff's performance and give reason(s) if not competent. Reassess the staff a second time or till he / she is competent. 			that it tallies with the eMAR OR Outpatient Injection / Medication Record.	24. Document medication administration in the eMAR / Outpatient Injection / Medication Record immediately.
				25. Observe, record and report any adverse reaction to the doctor.
			Check medication prescribed in eMAR OR Outpatient Injection / Medication Record.	26. Discard used requisites.
			Medication Necola.	27. Dispose of unused reconstituted medication according to guidelines.
S/N CRITERIA ASSESS			Scan unit dose bag / bottle barcode label for right medication and	28. Wipe the work surface with alcohol wipes.
CRIERIA			dose.	29. Perform hand hygiene.
PART I – ADMINISTRATION VIA IM INJECTION	1 2 3	12.	Confirm with patient / caregiver drug allergy and G6PD status.	30. Document in Inpatient Charge Form.
			Explain procedure to the patient / caregiver.	
Check Electronic Medication Administration Record (eMAR) / Proc	edure			
Form for:			Assist patient to a comfortable position	Competency Assessment 1
 Right: patient, medication, date, time, route, dose, frequency. 		15.	Select injection site and locate site using anatomical landmarks	Competent Yes No Tick (-/) accordingly
 Drug allergy and G6PD status. 		16.	Assess size and integrity of muscle. Inspect skin surface for bruises or	Competence Tes Control (Control (Contro) (Control (Contro) (Contro
 Time of last dose / stat dose given. 			signs of infection. Palpate site for masses and tenderness	Date:
2. Perform hand hygiene.		17	Clean chosen site with alcohol swab from the insertion site, outward in a	
 Wipe the work surface area and disposable kidney dish with alcoho wipes. 	ol		circular motion for about 5cm and allow to air dry for at least 30 seconds. Administration of intramuscular injection:	Designation & Name of Assessor: Signature of Assessor:
4. Prepare requisites		10.		
 A disposable kidney dish with: 			 Hold the skin taut with non-dominant hand by spreading the skin between the thumb and index finger. 	Competency Assessment 2
Sterile syringe of appropriate size			between the drame and index might.	Competent Yes No Tick (1) accordingly
Sterile syninge of appropriate size Sterile needles of appropriate of sizes			 Hold the syringe between thumb and fingers of the dominant hand 	Comments:
			and insert the needle swiftly at a 90° angle to the skin surface.	
Alcohol swabs				Designation & Name of Assessor: Date:
Prescribed medication		·	 Stabilise syringe and aspirates by pulling back on the plunger If 	Signature of Assessor:
 Compatible sterile solvent for reconstitution as necessary 			there is a blood return, remove and change the needle NB: Aspiration before injection of vaccines or toxoids is not necessary	
Adhesive plaster			because no large blood vessels are present at the injection sites, and	Competency Assessment 3
 Polythene bag 			might be more painful for infants.	Competent ☐ Yes ☐ No Tick (✓) accordingly
 Sharps disposal container 				Comments:
Countercheck the prescribed medication with co-signer.		l l l	 Inject medication according to the recommended speed. 	
7. Perform hand hygiene				Designation & Name of Assessor: Date:
8. Prepare the prescribed medication according to Dilution and Infusi	on		 Slightly cover the injection site with a cotton swab and remove the needle smoothly along the line of insertion. 	Signature of Assessor:
Charts / Pharmacy Guidelines in the presence of co-signer.				
9. Push and position COW at patient's bedside / outside isolation roo	m	19.	Dispose syringe and needle into puncture resistant container / sharp	
10. Keep the unit dose bag if any.			box immediately	
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Figure 2. *Educational Brochure*



EDUCATIONAL BROCHURES After reading the educational brochure, 90% agreed that it was useful and it provided knowledge of practicing a standardized of way Administering IM Injection (Table 2).



RESULTS

Narrative feedback were also obtained from the nurses (Table 3). The information brochure allowed nurses to provide a systematic and standardized education to patients and their caregivers

Table 3 Narrative Feedback from Staff

"The pamphlet is helpful and contains essential information for us nurses".

"The pamphlet provides clear" instructions, is informative and short and simple to understand".

"Its a visual guide on administering an IM injection and also allows us to give proper education to the patients".

"The pamphlet provides us with the management of side effects, which are well explained with relevant information".

CONCLUSION

This project has empowered nurses to provide a safe and standard quality care to all patients requiring IM injection, which aligns with our hospital's target zero preventable harm by 2022. It also helps to build a close collaboration between the nurses from different disciplines to strive toward providing better quality, safe and holistic patient care.

PATIENTS AT THE HE