Reducing The Percentage of Admission Hypothermia In Preterm Infants In The Neonatal Unit, Hospital Melaka

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2.4 Model of Good Care										
0	Process		Criteria	Standard	Pre- Remedial	Remedial 1	Remedial 2	Remedial 3		
	Preparation of resuscitation equipment before delivery	- - -	Prewarmed radiant warmer Prewarmed thermal supplies Prewarmed transport incubator	100%	60%	72%	85%	90%		
	Resuscitation upon delivery	- 	mmediate brought to radiant warmer mmediate dry and remove wet inen To apply plastic cap and polystyrene bag for preterm <32weeks or EFW <1.5kg	100%	30%	50%	88%	100%		
	Transfer to neonatal unit		Transport newborns in prewarmed transport incubator	100%	0%	30%	75%	80%		
	Assessment upon admission		rital signs measured Temperature Glucose monitoring	100%	70%	85%	100%	100%		
3. Process Of Gathering Information										
3.1 Methodology										
Study Design Prospective										
Study Setting			Neonatal Unit, Hospital Melaka							
Sampling Technique			Universal Sampling							
Study Period			Pre-Remedial: June 2022							

Sealed at most of the time							
Remedial 2		5.3 T	hermal Sup	plies			
Problem: No appropriate cap and plastic bag							
Introduction of plastic caps and modified plastic ziplock bagsIntroduction ready-made cloth caps							
Preterm < <u>32weeks</u> +/- EF	e to bag he the dout		RM3/piece				
Remedial 3	5.4	Educatio	RM0.45/piece	and Poster			
Remedial 35.4 Educational Video and PosterProblem: Lack of compliance with protocol							
Problem	: Lack	of compli	ance with pr	otocol			
Problem: Educational posters hermal control guid	s with Q	R codes of	An educationa steps of therm	l video on the			
ducational posters	with Q delines	R codes of	An educationa	l video on the			
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		care and melacrice of damission hypothermia			newborns meladed			
 Self Administered Questionnaire To assess The know control Contributi Measures 			ng facto		76 respondents 50 doctors, 22 staff nurses			
4. Key Measures for Improvement								
4.1 Methodology								
Audit Forms								
1.9% ■ Mild hypothermia			70.4% of preterm newborns admitted are hypothermic!					
25.9	<mark>%</mark> 44.5%	 Moderate hypothermia Normal 	More than 1/3 of admission hypothermia are moderate severity					
	25.9%	□ Hyperthermia	NON	IE of the standby for preterm newborns fulfil the hypothermia checklist				
Self-Administered Questionnaire								
-	0% of respondents mean score of 49.5		9.2% of respondents abo checklist	2% of respondents about the hypothermia ecklist				
References Thermal protection of newborns by WHO, 1997 and 2003 2 Laptook AR, Salhab W, Bhaskar B; Neonatal Research Network. Admission temperature of low birth weight infants: predictors and ssociated morbidities. Pediatrics. 2007 Mar;119(3):e643-9. 3. Alicia S, Kathryn M, Deanna F; Quality Improvement Approach to Reducing Admission Hypothermia Among Preterm and Term hfants. AAP. 2021. 3. New-Yun Boo, Irene Guat-Sim Cheah, for Malaysian National Neonatal Registry, Admission Hypothermia among VLBW infants in Alaysian NICUs, Journal of Tropical Pediatrics, Volume 59, Issue 6, December 2013, Pages 447-452,								

- Doctors and nurses in the neonatal unit and labour room, Hospital Melaka