







High Impact Intervention Reducing the Incidence of Pressure Ulcers for Critically Ill Patients

North West Critical Care Networks SKIN Bundle Version 1.1 Document Feb 2013

Authors: A. Baldwin & A. Berry for the NW Critical Care Networks

報告人:韓善寰 2014.03.25.

皮膚整合式照護

Skin care bundle, skin bundle

Pressure ulcers prevention

CVC infection prevention

National Pressure Ulcer Advisory Panel pressure ulcer stages/categories

Stage: I



Stage: II

Stage: III



Suspected Deep Tissue Injury





its color may differ

surrounding area.

from the

Partial thickness loss of dermis presenting as a shallow open ulcer with a red pink wound bed, without slough. May also present as an intact or open/ruptured serum-filled blister Full thickness
tissue loss.
Subcutaneous fat
may be visible but
bone, tendon or
muscles are not
exposed. Slough
may be present
but does not
obscure the depth
of tissue loss.
May include
undermining and
tunneling.

Full thickness tissue loss with exposed tendon or muscle. Slough or eschar may be present on some parts of the wound bed. Often includes undermining tunneling. Purple or maroon localized area of discolored intact skin or blood-filled blister due to damage of underlying soft from pressure and/or shear. The area may be preceded tissue that is painful, firm, ushy, boggy, warmer or cooler as compared to adjacent tissue.

Unstageable a

Full thickness tissue loss in which the base of the ulcer is covered by (yellow, tan, gray, green or brown) and/or eschar (tan, brown or black) in the wound bed.

Not pictured.
NPUAP copyright, photos used with permission.

Unstageable pressure ulcers

Hip, Unstageable







Deep tissue injury







領域1:範圍與目的/

SCOPE AND PURPOSESCOPE

P3

Context & Aim

The aim of care bundles as set out in this high impact intervention (HII) is to ensure appropriate and high quality "harm free" patient care. Regular auditing of the care bundle elements will support cycles of review and continuous improvement in care settings.

Registered nurses must audit compliance against key policies and procedures for pressure ulcer prevention and management, in line with the relevant legislation at the time of publication^{1, 2}.

領域1:範圍與目的/

SCOPE AND PURPOSESCOPE

P3

Objectives

The North West Critical Care Networks' Pressure Ulcer Group has identified their intention to:

- Reduce the risk and incidence of pressure ulcer acquisition in the critical care environment.
- Eradicate all category 3 & 4 and unstageable pressure ulcers acquired in critical care, that on route cause analysis are demonstrated to be avoidable. (Appendix 1).

2.有特別描述指引所涵蓋的健康問題

領域1:範圍與目的/

SCOPE AND PURPOSESCOPE

P3-4

- Critically Ill Patients
- Due to the very **nature of** their **illness**, critically ill patients are often at higher risk of developing pressure ulcers. The reasons for the increased risk are patients may well **be sedated** and unaware of their environment; **be compromised physically** due to their clinical condition, **have catheters**, **lines and drains that can create pressure** and be just too weak to be able to reposition themselves to relieve pressure.
- For those patients with poor local and systemic oxygenation and perfusion consider the need to change support surfacesPatients with spinal instability, haemodynamic instability and/or nursed in the prone position.....

領域2:權益相關人的參與情形/ STAKFHOLDER INVOLVEMENT

P2

 This document has been developed by the North West Critical Care Networks' Pressure Ulcer Management Group.

領域2:權益相關人的參與情形/ STAKEHOLDER INVOLVEMENT



5. 已納入目標族群、(病人、公眾等)的看 法和偏好

1

領域2:權益相關人的參與情形/ STAKEHOLDER INVOLVEMENT

P3

 Registered nurses must audit compliance against key policies and procedures for pressure ulcer prevention



 Pressure ulcers are largely preventable and the National Institute of Clinical Excellence (NICE) has produced comprehensive guidance for the prevention and management of these ulcers.

9. 清楚描述整體證據的強項及限制	1
10.清楚描述形成建議的方法	1
11.形成建議時有考慮到健康效益、副作用及風險	1

領域3:發展的嚴謹度/

RIGOUR OF DEVELOPMENT

- Pressure ulcers should be classified using the NPUAP/EPUAP system and recorded in the patient's notes 10.
- 10. Skin damage determined to be as a result of incontinence and/or moisture alone should NOT be recorded as a pressure ulcer 11
 - NPUAP/EPUAP (2009) Prevention and treatment of pressure ulcers. Clinical Practice Guideline.
 - 11. Tissue Viability Society (2012) Achieving Consensus in Pressure Ulcer Reporting.

12.指引建議與其支持證據間有明確的關聯

4



13.指引公告前已經由其他外部專家審閱/	1
14.提供指引更新的程序	1

領域4:清楚呈現/

CLARITY OF PRESENTATION

Elements of the Care Process

1. Surface

- a) Type of mattress All patients should be visibly assessed on admission to critical care and placed on the appropriate pressure relieving surface
- Where patients are sat out in a chair, pressure relieving cushions or equivalent should be used
- Checks should observe for patients lying on drains, catheters, lines etc. Repositioning
 of lines, drains etc. should be done with due consideration to care of pressure areas
- d) Patient assessment checks should be made to ensure the bed sheets and surfaces are wrinkle free

Keep Moving

- All patients should be repositioned 2 hourly
 NB. Position changes or clinical contraindications to repositioning should be clearly documented.
- b) Patients should not be sat out in chairs for longer than 2 hours
- Patients with existing sacral pressure ulcers should not be sat out putting direct pressure on the ulcer
- d) ET tubes and fixation devices should be checked 2 hourly to prevent mouth ulcers developing around the lips and mouth
- e) The site where n aso-gastric tubes meet with the nostril should be checked and position assessed 2 hourly o prevent nasal ulcers
- f) If a patient is on non-invasive ventilation appropriate preventative measures should be taken to reduce pressure on the bridge of the nose/forehead
- g) Where oxygen masks are in situ preventative measures should be taken to protect the tops of the ears from pressure. This should be included in the 2 hourly assessment
- h) Where saturation probes are used the site should be alternated at least 2 hourly
- i) Where patients are being nursed in the prone position pressure should be redistributed/alleviated as per local policy
- j) Where TED stockings are in place the skin should be assessed and the stocking resized at least 8 hourly
- k) Where Flowtrons are in place the skin should be checked 8 hourly as a minimum 2 hourly checks should be made at the site of the connecting tubes

3. Integument /Incontinence

- a) Where patients are persistently incontinent of urine, a urinary catheter should be considered in line with Trust quidelines
- b) Where patients are having persistent diarrhoea, proactive processes and systems should be applied in line with Trust guidelines, e.g. faecal/bowel management systems
- Barrier creams to protect the skin should be used in line with Trust guidelines and protocols

4. Nutrition

- a) A nursing nutritional assessment must be completed within 24 hours of admission to critical care
- Nutrition supplements should be commenced within the first 24-48 hours following admission. Where contraindications exists, follow trust protocol
- c) Adequate hydration should be maintained

5. Documentation

There should be appropriate available documentation to demonstrate that all care elements/assessments have been performed at least 2 hourly inless otherwise specified (examples - Appendix 3)

領域4:清楚呈現/

CLARITY OF PRESENTATION

- 13. Where patients are incontinent of urine/feaces hygiene needs are to be addressed in a timely manner to preserve skin integrity.
- 3. Integument /Incontinence
- b) Where patients are having *persistent diarrhoea, proactive processes* and systems should be applied in line with Trust guidelines, e.g. faecal/bowel management systems
- 15. Where there is evidence of either a category 3 or 4 pressure ulcer or unstageable pressure ulcer, Medical Illustrations should be asked to photograph the ulcer. Advice should be sought from the Tissue Viability Nurse. Medical staff must be informed

領域4:清楚呈現/

CLARITY OF PRESENTATION

Elements of the Care Process

1. Surface

- a) Type of mattress All patients should be visibly assessed on admission to critical care and placed on the appropriate pressure relieving surface
- Where patients are sat out in a chair, pressure relieving cushions or equivalent should be used
- c) Checks should observe for patients lying on drains, catheters, lines etc. Repositioning
 of lines, drains etc. should be done with due consideration to care of pressure areas
- d) Patient assessment checks should be made to ensure the bed sheets and surfaces are wrinkle free

Keep Moving

- All patients should be repositioned 2 hourly
 NB. Position changes or clinical contraindications to repositioning should be clearly documented
- b) Patients should not be sat out in chairs for longer than 2 hours
- Patients with existing sacral pressure ulcers should not be sat out putting direct pressure on the ulcer
- d) ET tubes and fixation devices should be checked 2 hourly to prevent mouth ulcers developing around the lips and mouth
- The site where naso-gastric tubes meet with the nostril should be checked and position assessed 2 hourly to prevent nasal ulcers
- f) If a patient is on non-invasive ventilation appropriate preventative measures should be taken to reduce pressure on the bridge of the nose/forehead
- g) Where oxygen masks are in situ preventative measures should be taken to protect the tops of the ears from pressure. This should be included in the 2 hourly assessment
- h) Where saturation probes are used the site should be alternated at least 2 hourly
-) Where patients are being nursed in the prone position pressure should be redistributed/alleviated as per local policy
- j) Where TED stockings are in place the skin should be assessed and the stocking resized at least 8 hourly
- k) Where Flowtrons are in place the skin should be checked 8 hourly as a minimum 2 hourly checks should be made at the site of the connecting tubes

3. Integument /Incontinence

- a) Where patients are persistently incontinent of urine, a urinary catheter should be considered in line with Trust quidelines
- Where patients are having persistent diarrhoea, proactive processes and systems should be applied in line with Trust guidelines, e.g. faecal/bowel management systems
- Barrier creams to protect the skin should be used in line with Trust guidelines and protocols

4. Nutrition

- a) A nursing nutritional assessment must be completed within 24 hours of admission to critical care
- b) Nutrition supplements should be commenced within the first 24-48 hours following admission. Where contraindications exists, follow trust protocol
- c) Adequate hydration should be maintained

5. Documentation

 a) There should be appropriate available documentation to demonstrate that all care elements/assessments have been performed at least 2 hourly unless otherwise specified (examples - Appendix 3)

P6-7



18.指引有描述在應用時會遇到的助力或障礙

L

P7, P8, Appendix

- Care Bundle Electronic Tool
- Appendix 3:skin bundle audit tool
- Critical care skin bundle

Observation	Surface	Keep Moving	Incontinence & Integumentary	Nutrition	Documen tation	Are all elements compliant?
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
Total number of times an individual element was performed						
% When all elements of care were given						

Patient 1 Patient 2 Patient 5 Patient 6 Patient 7 Patient 10 Patient 11 Patient 11 Patient 11 Patient 13 Patient 14 Patient 15 Patient 10 Patient 17 Patient 18 Patient 18 Patient 18 Patient 19 Patient 19 Patient 19 Patient 10 Patient 10 Patient 10 Patient 10 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 15 Patient 16 Patient 17 Patient 18 Patient 19 Patient 10 Patient 20 Patie									El€	m	ent	ts a	and	C	rit€	eria	l									
Patient 2 Patient 3 Patient 4 Patient 5 Patient 6 Patient 7 Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 15 Patient 16 Patient 17 Patient 18 Patient 19 Patient 19 Patient 20 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 26 Patient 27 Patient 28 Patient 29		1a	1b	1c	1d	2a	2b	2c	2d	2e	2f	2g	2h	21	2j	2k	За	35	3с	48	4b	4c	5a	Full	Comp	anc
Patient 3 Patient 4 Patient 5 Patient 6 Patient 7 Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 17 Patient 18 Patient 19 Patient 19 Patient 10 Patient 10 Patient 11 Patient 12 Patient 12 Patient 13 Patient 14 Patient 15 Patient 16 Patient 17 Patient 18 Patient 20 Patient 20 Patient 21 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 1																									
Patient 4 Patient 5 Patient 6 Patient 7 Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 16 Patient 17 Patient 19 Patient 20 Patient 20 Patient 21 Patient 21 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 2																									
Patient 5 Patient 6 Patient 7 Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 16 Patient 17 Patient 18 Patient 19 Patient 19 Patient 20 Patient 20 Patient 21 Patient 21 Patient 21 Patient 21 Patient 22 Patient 23 Patient 24 Patient 26 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 3																									
Patient 6 Patient 7 Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 16 Patient 16 Patient 17 Patient 17 Patient 18 Patient 19 Patient 19 Patient 20 Patient 21 Patient 21 Patient 22 Patient 23 Patient 24 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29 Patient 29 Patient 29 Patient 20 Patient 21 Patient 22 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 4																									
Patient 7 Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 16 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 28 Patient 29 Patient 29 Patient 29 Patient 29 Patient 20 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 28 Patient 29	Patient 5																									
Patient 8 Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 17 Patient 18 Patient 19 Patient 20 Patient 20 Patient 21 Patient 23 Patient 24 Patient 26 Patient 27 Patient 28 Patient 29	Patient 6																									
Patient 9 Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 16 Patient 17 Patient 17 Patient 19 Patient 20 Patient 21 Patient 21 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 28 Patient 29	Patient 7																									
Patient 10 Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 16 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 21 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 8																									
Patient 11 Patient 12 Patient 13 Patient 14 Patient 16 Patient 16 Patient 17 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 24 Patient 26 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 9																									
Patient 12	Patient 10																									
Patient 13 Patient 14 Patient 15 Patient 16 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 21 Patient 23 Patient 23 Patient 24 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29 Patient 29	Patient 11																									
Patient 14 Patient 15 Patient 16 Patient 17 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 12																									
Patient 16 Patient 16 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 21 Patient 22 Patient 23 Patient 24 Patient 26 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 13																									
Patient 16 Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 27 Patient 28 Patient 29	Patient 14																									
Patient 17 Patient 18 Patient 19 Patient 20 Patient 21 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 27 Patient 28 Patient 29	Patient 15																									
Patient 18 Patient 19 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 27 Patient 28 Patient 29	Patient 16																									
Patient 19 Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 27 Patient 28 Patient 29	Patient 17																									
Patient 20 Patient 21 Patient 22 Patient 23 Patient 24 Patient 26 Patient 26 Patient 27 Patient 27 Patient 27 Patient 27 Patient 27 Patient 28 Patient 29	Patient 18																									
Patient 21 Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 28 Patient 29	Patient 19																									
Patient 22 Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 20																									
Patient 23 Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 21																									
Patient 24 Patient 25 Patient 26 Patient 27 Patient 27 Patient 28 Patient 29	Patient 22																									
Patient 25 Patient 26 Patient 27 Patient 28 Patient 29	Patient 23																									
Patient 26 Patient 27 Patient 28 Patient 29	Patient 24																									
Patient 27 Patient 28 Patient 29																										
Patient 28 Patient 29 Patient 20 Patient 29 Patient 20	Patient 26																									
Patient 28 Patient 29 Patient 20 Patient 29 Patient 20	Patient 27											\vdash				\vdash										
Patient 29				\vdash				\vdash		\vdash							\vdash		\vdash				\vdash			

NB. Enter 'Y', N/A or 'N' depending if the elements of care have been applied

Critical Care Skin Care Bundle Admission

Type of mattress used:	
Weight of patient (Estimated/Actual) in KGs:	
Waterlow score	

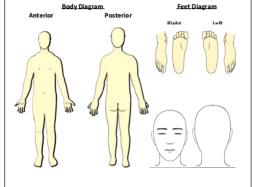
Does the patient have any existing pressure sores? Yes () No () If yes, list below and document on the body chart

Also document all invasive monitoring lines, cannulae, catheters, surgical wounds and non-surgical wounds on the body chart on admission.

Existing pressure ulcers on admission to Critical Care

Site no.	Wo und size	Category/Condition (Description)





Has the patier Yes () No

Pressure Areas on Discharge from Critical Care

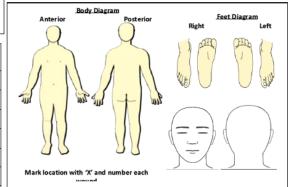
Does the patient have any existing pressure sores on transfer from Critical Care? Yes () No ()

If yes, list below and document on the body chart.

Also document all invasive monitoring lines, cannulae, catheters,

	Existing Pressure Ulcers on Discharge from
	Critical Care
Ulcer	Condition and Treatment
category	(Description)





Date & time of transfer

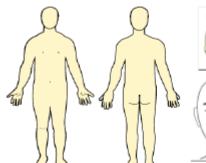
Sign & print name of transferring
nurse

Pressure Ulcers Developed Whilst In Critical Care

Addressograph

Body Diagram

Foot Diagram





	Ulcer 1	Ulcer 2	Ulcer 3	Ulcer 4
Date Pressure Ulcer Developed				
Category of Ulcer (EPUAP)				
Photograph Taken Y/N				
Referred to Tissue Viability Y/N				
Incident Form Completed Y/N				

Mark location with 'X' and number each wound

North West Critical Care Networks Version 1.1 - February 2013



20.有考慮到應用建議時對資源的潛在影響

1

Water flow Score o	elivery should be 2 hourly unless there is a valid:	HOSPITA	L No:		1			1	√-Yes			
Water flow Score o	lelivery should be 2 hourly unless there is a valid	HOSPITAL No:			DATE: DD/MM/YYYY					ord why not)		
		clinical reaso	on which sho	ould then be	document	ed in the patie	nts care plan.	•	V = Variano	e (all variances to be	documented	
	n admission to unit:		•							in nursing notes)		
TIME - record using	24 hour clock →	нним	UU-WW			_						
		CCLWW	DD. MM	5		reque	ency of ca	re de	eliverv	should be	2 hourl	v unless
BED: Type of mattr	ress:				T		•		•			•
CHAIR: Type of cus	shion:				Шt	here i	s a valid	clinic	al reas	on which	should	then be
All patient pressure	e relieving equipment working correctly											
				SKINI	NSPI	locun	nented in	the r	patient	s care pla	in.	
All pressure areas					₩,					o care pro		
Evidence of pressu	ure related damage											
If damage evident p	please document site, grade and action											
ET tube/fixation (co			MEDIC	AL DEVICE	ES & PRES	SURE SITES	_					
Naso gastric tube (_	+						
	probe (alternate site)				 	+						
	lation (nose/forehead)				_	+	Stage: I		Stage: II	Stage: III	Stage: IV	Suspected Deep
Oxygen mask (tops												Tissue Injury a
Other: State device	and location site to check below											B
# Category 2 - 4 ula	cer is present complete Critical Incident form				 	+						Purple or maroon localized area of
					 	+				A STATE OF THE PARTY OF THE PAR		discolored intact skir
	cer is present refer to Tissue Viability Nurse				-	+		1//	Secretary and the		10 30 10	or blood-filled blister
If Category 3 or 4 u	licer is present refer to Medical Illustration								EN			due to damage of
				POSITIO	NAL CHAI	IGE	<u> </u>	<u> </u>		11 1 1 1 1		underlying soft from pressure and/o
	Right Side											shear. The area may
BED	Left Side Back				-	+	Intact skin with	Part	tial thickness	Full thickness	Full thickness	be preceded
	Prone				+	+	non-blanchable		of dermis	tissue loss.	tissue loss with	tissue that is painful,
CHAIR	Stand / Relieve or redistribute pressure						redness of a localized area		enting as a low open	Subcutaneous fat may be visible but	exposed tendon or	firm, ushy, boggy, warmer or cooler as
	•		IN	CONTINEN	ICE / INTE	SUMENT	usually over a		r with a red	bone, tendon or	muscle. Slough	compared to adjacer
Urine	Incontinent						bony		wound bed,	muscles are not	or eschar may	tissue.
onne	Catheterised						Darkly pigment		out slough.	exposed. Slough	be present on	1141-3
	Incontinent						skin may not ha		also present	may be present	some parts of	Unstageable ^a
	Stoma						visible blanchin its color may di		as an intact or open/ruptured	but does not obscure the depth	the wound bed. Often includes	Full thickness tissue
Bowels	Faecal Collector	\vdash			-	+	from the	ner oper seru	n/rupturea m-filled	obscure the depth of tissue loss.	undermining	loss in which the
	Faecal Diversion System Bowel Management System				_	+	surrounding are	ea. bliste	er.	May include	tunneling.	base of the ulcer is
	worrer management oystem			MI	ITRITION	_				undermining and	-	covered by
	Enteral/Parenteral (E/P)			NU	RITION	T				tunneling.		(yellow, tan, gray, green or brown)
MICTO	Oral fluids											and/oreschar (tan.
MUST Score:	Oral supplements						Not pictured.					brown or black) in th
NURSES INITIALS	IV fluids						NPUAP copyri	ght, photos u	sed with permission	rn .		wound bed.

21. 指引呈現監測和評估的標準

領域6:編制的獨立性/ Editorial independence



22. 贊助者的見解沒有影響到指引的內容	1
23.記錄和陳述指引發展團隊成員的利益競爭	1

整體品質評分/

Rate the overall quality of this guideline

5

我是否建議採用本指引/

I would recommend this guideline for use?

YES! BUT...

- Device
 - 氣墊床是否足夠?
 - 引進氣管內管、鼻導管、尿管... 新式固定帶?

討論

- 文章中提到,關於持續性的腹瀉處理可使用 fecal/bowel management systems,名為 Flexi-Seal™ Fecal Management System (FMS),目前台灣已有廠商引進,但價格昂 貴(1個約8,000元)。
 - 自費, 病人接受度?









討論

- 失禁性皮膚炎的照護,建議先以清潔液清 除大便,再噴防護液
- 比較便宜的保護皮膚的作法
 - 使用 造口粉:氧化鋅:凡士林=1:1:3 比例,調成 保護皮膚的防護乳
 - 塗一層厚厚的凡士林

- 本院是否應用本篇文獻,做為本院 Skin Bundle Care 的規範及查檢表?
- Overall:





-本篇許多建議係源自於NPUAP EPUAP 2009年 guideline,下次Journal Club 將評讀另一篇2013年的文獻: Pressure Ulcer Treatment Strategies Comparative Effectiveness,代收集更完善的實證資料後,再進一步整合

