



Clostridium Difficile (C.Diff.)

Things you should know

[A Little Background]

- C.Diff is a bacteria that can cause mild to severe diarrhea and inflammation of the colon (pseudomembranous colitis)
- Taking antibiotics can kill the good bacteria in the colon and allow the C.Diff bacteria to thrive and produce damaging toxins

Population at Risk

- Elderly people or those with other medical conditions
- People taking antibiotics
- People who are in healthcare settings (C.Diff is very much a healthcare associated issue)

[Everybody takes Antibiotics!!!]

- Certain antibiotics are more likely to cause C.Diff complications than others – these are the broad-spectrum drugs that kill a variety of different normal bacteria in the bowel (i.e. Clindamycin)

[Not the 'Old and Feeble']

<http://www.usatoday.com/videos/life/wellness/2012/09/12/1421174/>



Enhanced Cleaning

- It is vital that environmental services are made aware of a patient with C.Diff because a sporicidal cleaning agent is needed

CONTACT PRECAUTIONS
(IN ADDITION TO ROUTINE PRACTICES)

VISITORS: PLEASE REPORT TO NURSING

<p>PATIENT PLACEMENT</p>  <ul style="list-style-type: none">Private room preferredMaintain a distance of at least 1-2 meters (3-6 feet) between patientsDoor may remain open	<p>PATIENT CARE EQUIPMENT</p>  <ul style="list-style-type: none">Dedicate to this patient or disinfect after each use	<p>GOWN</p>  <ul style="list-style-type: none">When providing direct patient careIf contamination or soiling of clothing is likely
<p>GLOVES</p>  <ul style="list-style-type: none">When providing direct patient careIf contamination of hands is likely	<p>HAND HYGIENE</p>  <ul style="list-style-type: none">Before and after contact with the patient or the patient's environment	<p>PATIENT TRANSPORT</p>  <ul style="list-style-type: none">Transport for essential purposes onlyNotify receiving department

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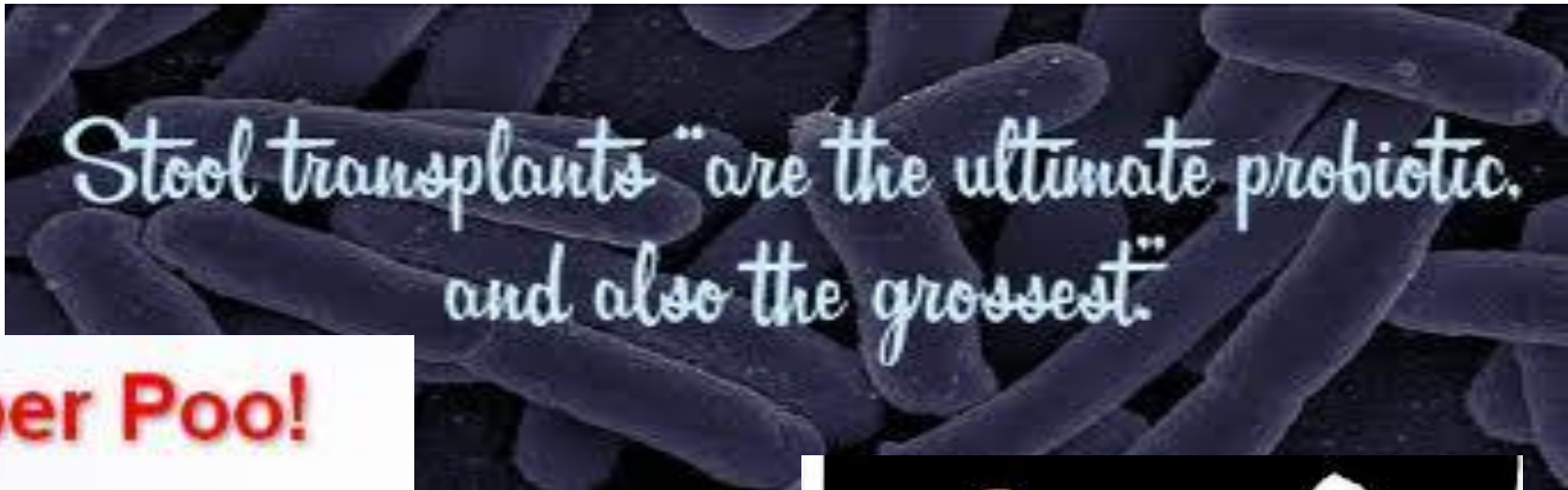
[Hand Hygiene]

- You need to wash hands with soap and water because the alcohol-based hand rub is not effective against C.Diff spores.



Illustration: Don Smith

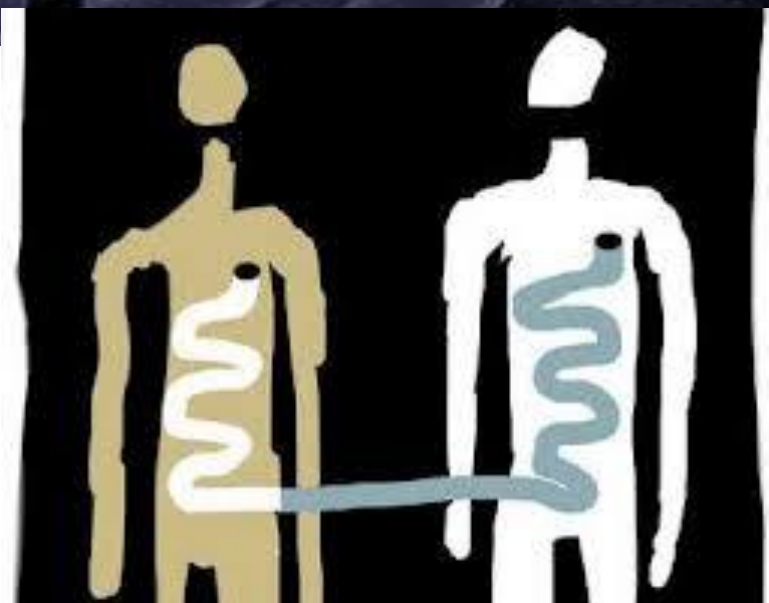
[Progressive and a Little Gross]



Super Poo!



**Here I come...
To save the day!**



[Stool Transplant!?!?!]

Treatment of Recurrent CDI by Fecal Transplantation

- 18 patients; specimens delivered by nasogastric tube following vancomycin (4× d) and omeprazole (20 mg)
- Preparation of donor specimen
 - Fresh (< 6 h)
 - ~ 30 g or ~ 2 cm³ volume
 - Add 50 mL 0.9 NS and homogenize with blender
 - Filter suspension with paper coffee filter; re-filter
- Results
 - One of 16 survivors had a single subsequent recurrence (two died of unrelated illnesses)

Conclusion

- This presentation has been brought to you by the letter '**P**' and the '**Number 2**' (bwahahaha 😊)

