

Oedema- is it all fluid??

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WATER IN THE HUMAN BODY

Brain 75% Water Blood 83% Water Heart 79% Water

Bones 22% Water

Muscles 75% Water

Liver 85% Water

Kidneys 83% Water

SKIN 63%



The power of water!!!





In my opinion oedema is one of the leading causes of failure to heal wounds

It also causes:

- 1. Wound recurrence
- 2. Acute and chronic pain
- 3. Restricted mobility
- 4. Disability
- 5. Patient distress









Speaking to all of you – I probably can add nothing to your knowledge

We all know of venous leg ulcer guidelines, consensus documents and best practice documents—yet we struggle to manage the consequences of oedema in some settings



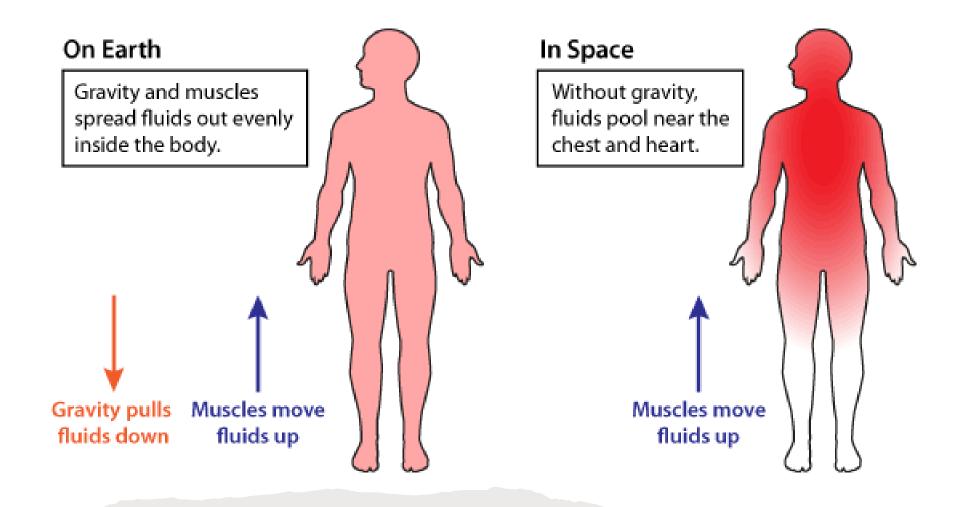


Skin and it's stretchiness









The effects of gravity













So how do we stop the leak???

- Fix the gravitational issues?
- Reduce the flow by other means? E.G by diversion?
- Patch the hole?

****Treat the underlying medical condition that may be associated with the fluid accumulation





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WOUND EXUDATE

EFFECTIVE ASSESSMENT AND MANAGEMENT

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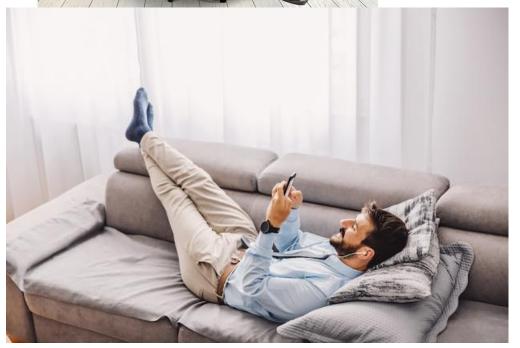






FEATURE	TRANSUDATE	EXUDATE
Definition	Filterate of blood plasma without changes in endothelial permeability. Due to physiomechanical factors.	Oedema of inflamed tissue associated with increased vascular permeability, damage to serous membranes.
Character	Non-inflammatory oedema	Inflammatory oedema
Grossly	Typically clear, pale yellow fluid	Usually cloudy, yellow or bloody
Protein content	Low, no tendency to coagulate as mainly albumin, no fibrinogen.	High, readily coagulates due to high content of fibrinogen.
Glucose content	Same as plasma	Low
Specific gravity	Low	High
рН	>7.23	<7.23
LDH	Low	High
Effusion LDH/Serum LDH ratio	<0.6	>0.6
Cells	Few cells, mainly mesothelial cells and cellular debris	Many cells, inflammatory as well as parenchymal.





Local -infection, foreign body, oedema, sinus, fistula, tumour

Systemic - CCF, infection, endocrine disease, systemic medication, obesity, IV fluid overload, malnutrition, increased age, low serum albumin, raised CRP

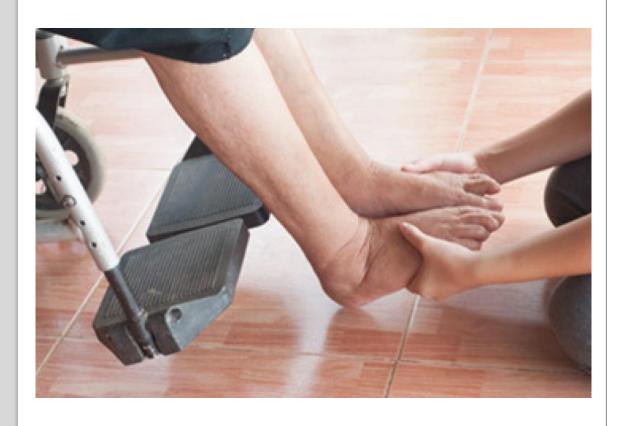
Practical—wound position, heat, willingness to cooperate, inappropriate dressings

We know the effects excessive exudate production Discomfort, pain and embarrassment, reduced QoL

Costly due to increased need for dressing changes

Increased risk of infection

Protein loss and electrolyte imbalance





The focus is not necessarily on leg oedemaoedema can occur anywhere in the body and may/will have consequences









