

The 'at risk' AKI patient

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Aims and objectives



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- Who is at risk
- Why are they at risk
- What can you do to prevent AKI in these patients



Who is at risk?



Who is at risk?

Surgery- cross
clamp time



Who is at risk?

Surgery- cross
clamp time

Pregnancy



Who is at risk?

Surgery- cross
clamp time

Pregnancy

Chronic Kidney
Disease



Who is at risk?

Surgery- cross
clamp time

Pregnancy

Cardiac failure

Chronic Kidney
Disease



Who is at risk?

Surgery- cross
clamp time

Pregnancy

The elderly

Cardiac failure

Chronic Kidney
Disease



Who is at risk?

Surgery- cross
clamp time

Pregnancy

The elderly

Cardiac failure

Contrast

Chronic Kidney
Disease



Who is at risk?

Surgery- cross
clamp time

Pregnancy

The elderly

Cardiac failure

Contrast

Chronic Kidney
Disease

Sepsis



Who is at risk?

Surgery- cross
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The elderly

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Contrast

Chronic Kidney
Disease

Sepsis

Nephrotoxic
meds- ARB's/
ACE inhibitors/
NSAID's



Who is at risk?

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Contrast

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Nephrotoxic
meds- ARB's/
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Previous AKI



Who is at risk?

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clamp time

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The elderly

Cardiac failure

Contrast

Chronic Kidney
Disease

Sepsis

Nephrotoxic
meds- ARB's/
ACE inhibitors/
NSAID's

Previous AKI

Peripheral
vascular disease



Who is at risk?

Surgery- cross
clamp time

Pregnancy

The elderly

Cardiac failure

HYPOVOLAEMIA

Contrast

Chronic Kidney
Disease

Sepsis

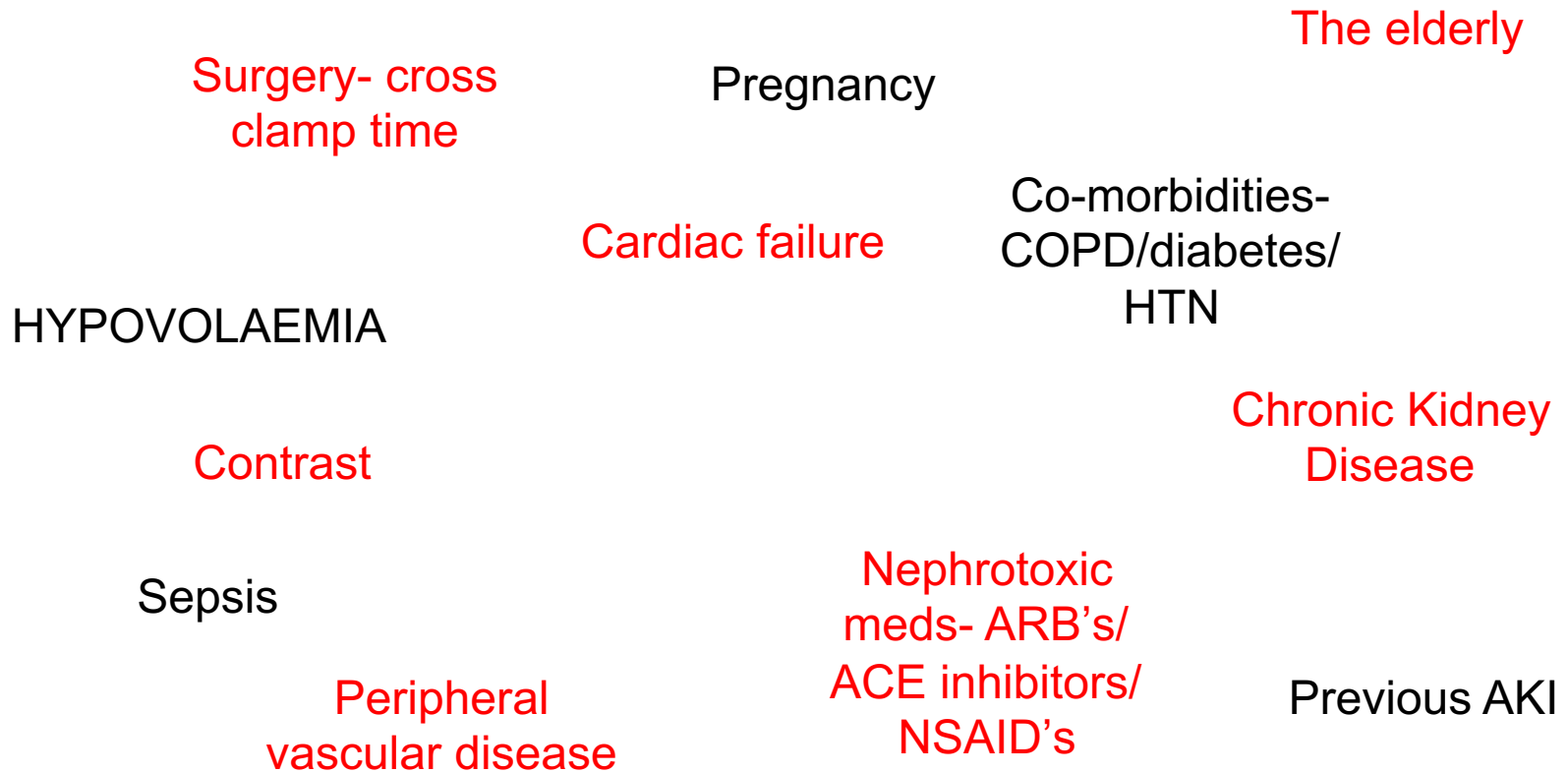
Nephrotoxic
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Previous AKI

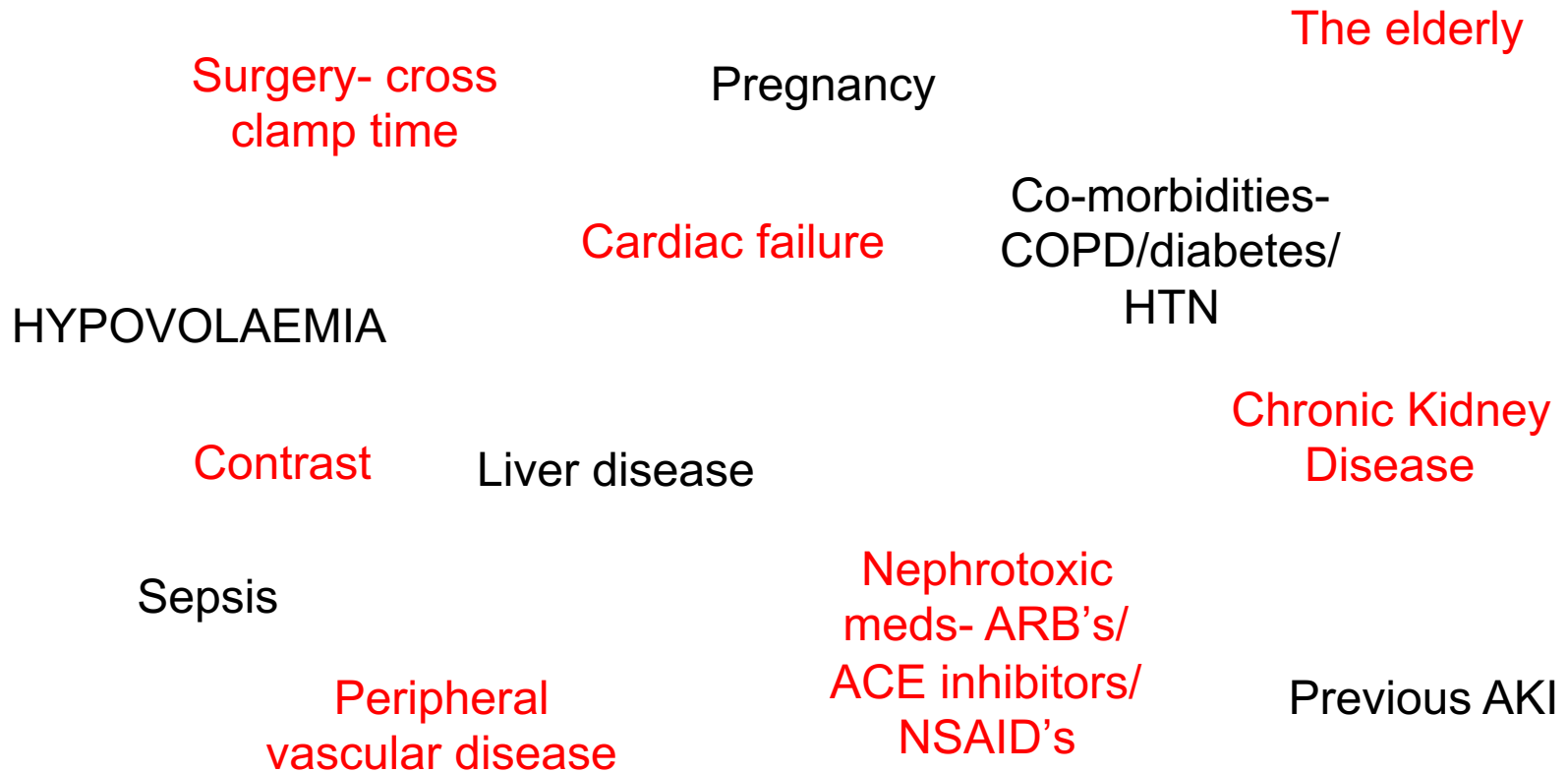
Peripheral
vascular disease



Who is at risk?



Who is at risk?



Who is at risk of hypovolaemia/dehydration?



Who is at risk of hypovolaemia/dehydration?

- Confused- UTI
- Dementia/ Alzheimers
- Mental health problems
- Learning disabilities
- Dysphagia
- Stroke
- Post op
- Burns



Who is at risk of hypovolaemia/dehydration?

- Confused- UTI
- Dementia/ Alzheimers
- Mental health problems
- Learning disabilities
- Dysphagia
- Stroke
- Post op
- Burns
- Vomiting and diarrhoea-gastroenteritis
- Active bleeding



How can we GIVE patients AKI in hospital/ community?



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- CT contrast



How can we GIVE patients AKI in hospital/ community?

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- Advising NSAID's for pain



How can we GIVE patients AKI in hospital/ community?

- CT contrast
- Advising NSAID's for pain
- Prescribing a combination of nephrotoxins



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- NBM for long periods...IV fluids!



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- NBM for long periods...IV fluids!
- Forgetting basics of care



How can we GIVE patients AKI in hospital/ community?

- CT contrast
- Advising NSAID's for pain
- Prescribing a combination of nephrotoxins
- NBM for long periods...IV fluids!
- Forgetting basics of care
- Not recognising/ responding to deteriorating patients quick enough





Prevention



- Hydration- keep euvolaemic



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- Contrast prophylaxis



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- Contrast prophylaxis
- Reduce doses of nephrotoxins



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- Do not give NSAID's for pain



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- Do not give NSAID's for pain
- Accurate fluid balance



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- Treat the acute illness



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- Contrast prophylaxis
- Reduce doses of nephrotoxins
- Do not give NSAID's for pain
- Accurate fluid balance
- Ask patient's about urine output
- Treat the acute illness
- Make the sick patient your priority





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