Case report: The Pump Suddenly Stopped!

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Accidents will happen...
The pump suddenly stopped!
What do we usually do?
What do we usually do?
What do we usually do?
What do we usually do?
What do we usually do?
What happened this time?

• The arterial pump stopped
What happened this time?

• The arterial pump stopped
• Started pumping manually
What happened this time?

- The arterial pump stopped
- Started pumping manually
- Emergency pump
What happened this time?

- The arterial pump stopped
- Started pumping manually
- Emergency pump
- Low pressure
What happened this time?

- The arterial pump stopped
- Started pumping manually
- Emergency pump
- Low pressure
- Blood level in venous reservoir increasing
What happened this time?

• The arterial pump stopped
• Started pumping manually
• Emergency pump
• Low pressure
• Blood level in venous reservoir increasing
• Wrong occlusion setting in e.- pump
What happened this time?

• The arterial pump stopped
• Started pumping manually
• Emergency pump
• Low pressure
• Blood level in venous reservoir increasing
• Wrong occlusion setting in e.- pump
• Several adjustments to pump occlusion
Why did this happen?

- Perfusionist pressing the wrong key!
Why did this happen?
Why did this happen?
Why did this happen?
Why did this happen?

• Perfusionist pressing the wrong key!
• Unable to correct setting
Why did this happen?

• Perfusionist pressing the wrong key!
• Unable to correct setting
• Wrong occlusion setting on emergency pump
Preventing similar accidents

• Know the default settings
Preventing similar accidents

• Know the default settings
• Know how to adjust the settings
Preventing similar accidents

• Know the default settings
• Know how to adjust the settings
• The emergency pump
Preventing similar accidents

• Know the default setting
• Know how to adjust the setting
• The emergency pump
• Change software
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