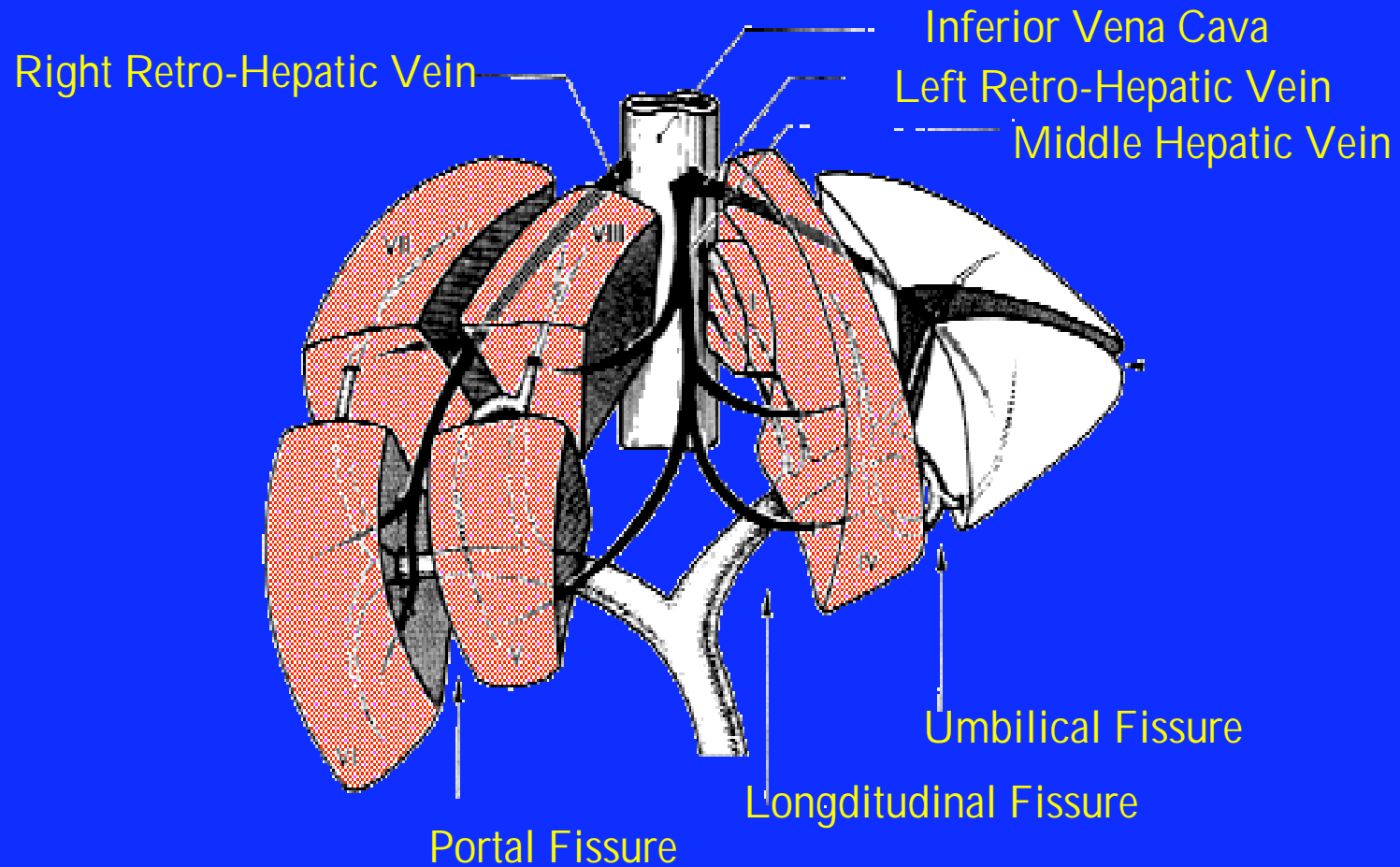




# Bypass for Resection of an Hepatic Tumour

# Areas Implicated

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# Considerations

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- ◆ Temperature Control
- ◆ Anticoagulation
- ◆ Circuit Design
- ◆ Cell Saving

# Temperature Control

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- ◆ Blood temp. maintained at 36 degrees C.
- ◆ Nasopharyngeal temp. 35-36 degrees C.
- ◆ Warming blanket & surface warming used.

# Anticoagulation

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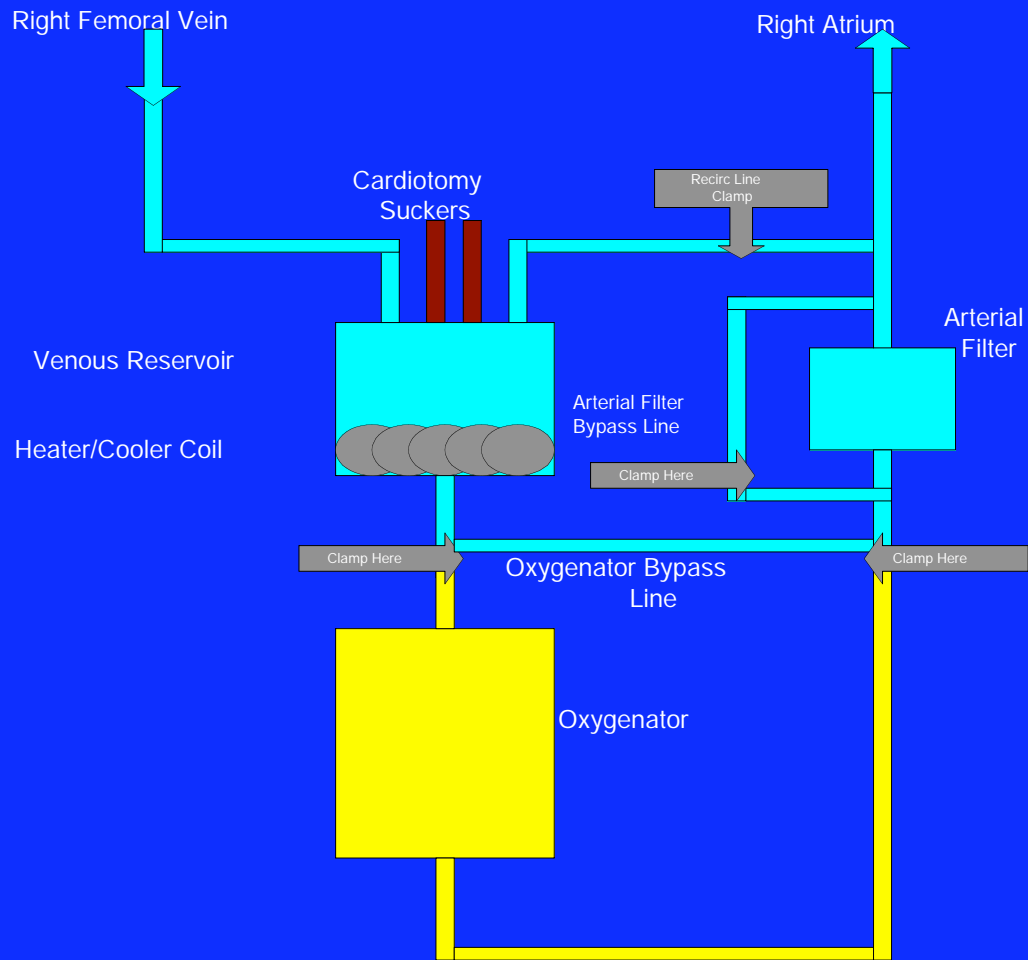
- ◆ Continuous ACT measurement.
- ◆ ACT maintained between 275 & 375 seconds, Heparin 0.3mg/kg given when ACT < 300s.
- ◆ Platelets post-op.

# Circuit Design

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- ◆ Oxygenator clear primed and clamped out.
- ◆ Remainder of circuit blood primed.
- ◆ Venous cannula in pump outlet position.

# Circuit Diagram



# Cell Saving

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- ◆ Tumour had been treated.
- ◆ Opinions differ on transfer of malignant cells.
- ◆ Bypass itself transfers cells.



# Bypass Data

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- ◆ Bypass time - 91 minutes.
- ◆ Ischaemic time for liver - 35 minutes.
- ◆ Blood gases and electrolytes within normal limits.
- ◆ Blood flow 1/3 calculated full flow
- ◆ 2 units salvaged and transfused.

# Patient Outcome

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- ◆ Patient transferred to ICU in stable condition.
- ◆ Extubated within 24 hours.
- ◆ Transferred to ward within 72 hours.
- ◆ Died 2 months post-op from metastatic disease, diffuse bone tumours.