September 11-14, 2014
Chapel Hill, NC
T*S*D*A
BOOT CAMP

AORTIC ROOT
ANATOMY

Sponsored by
CryoLife, Inc.
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CPB SKILLS
CPB Steps

Step 1.
Heparin

Step 2.
Expose the heart;
Check BP/aorta

Step 3.
Aortic cannulation;
Check cannula for pressure and flow

Step 4.
Atrial cannulation;
Venous clamp off;
On bypass;
Lungs off

Step 5.
Inspect the heart;
Place aortic and/or retrograde cardioplegia;
Reduce pump flow/cross-clamp aorta/
Return to normal flow/check line pressure;
Begin cardioplegia;
Set patient temperature

Step 6.
Release aortic cross-clamp after
warm cardioplegia;
Be certain six conditions reviewed
before weaning CPB:
Lungs inflating and deflating;
Good contractility;
Stable heart rhythm;
No bleeding in inaccessible areas;
Temperature at desired level;
No retained air

Step 7.
Wean off bypass;
Venous line clamped/remove when stable;
Remove aortic vent;
Protamine;
Follow RAP, PAP, and BP;
Be alert for hemodynamic reaction;
Remove arterial cannula
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VESSEL
ANASTOMOSIS
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OPEN

LOBECTOMY
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Introduction to
MITRAL VALVE
SURGERY

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