ARROContour
Esophageal Cancer

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Treatment Planning

• CT Simulation
  – Esophageal contrast optional
  – Arms above head to maximize number of beam arrangements
  – Consider 4-D CT for GE junction tumors
Target Volumes

- GTVp: primary tumor in the esophagus
- GTVn: grossly involved regional lymph nodes
- CTV = GTVp with a 4 cm expansion sup/inf along the length of the esophagus and gastric cardia and a 1.0-1.5 cm radial expansion (plus the GTVn with a 1.0-1.5 cm expansion in all dimensions)
- The celiac axis should be covered for tumors of the distal esophagus or GE junction
- PTV (45Gy) expansion should be 0.5 to 1.0 cm and does not need to be uniform in all dimensions
- Boost PTV (50.4Gy) = GTVp and GTVn with an expansion of 0.5 to 1.0 cm
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