## Rapid Response

## **PROTOCOL FOR CT SCAN OF CHEST WHEN EVALUATING FOR PECTUS EXCAVATUM**

Important: The CT MUST be done on complete EXPIRATION. If this is not done correctly, the Haller index will be FALSELY low.

CT scan of chest ordered **without contrast** CT scan done: Small child – 4mm thick, 4mm spiral sections

Large child - 8mm thick, 8mm spiral sections

CT scan done starting at thoracic inlet through bony thorax, arms overhead

CT scan starts with AP and lateral scout and film run to include:

Soft tissue windows Bone windows Lung windows

When dictated, impression should include, but not limited to:

- Haller index and from what image measurement was taken. Haller index is the transverse (coronal) measurement divided by the AP (sagittal) measurement at its deepest point. Measurements greater than 3.2 are considered severe.
- Symmetry
- Rotation/non-rotation of sternum and the degree of rotation
- Cardiac impressions should include but not limited to the presence of the following: Compression Displacement Distortion of shape
- Pulmonary impressions should include but not limited to:
  - Compression Presence of atelectasis Distortion of shape Skeletal (rib or vertebral) anomalies
- Other organ involvement or skeletal defects that the pectus deformity may have an effect upon must also be noted.

## PLEASE SEND THE CT FILMS (OR CD OF CT) AND PATIENT FORM ALONG WITH RADIOLOGIST INTERPRETATION TO:

## BIOMET MICROFIXATION ATTN: RAPID RESPONSE DEPARTMENT 1520 TRADEPORT DRIVE • JACKSONVILLE, FL 32218 • 904.741.4400

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