Case-Based Diagnosis Training

Patient:
Gender: Female
Age: 1 day old

Clinical history and working diagnosis on the referral:
Newborn 38 5/7 AOG via repeat CS, small for gestational age
Working diagnosis: VACTERL association

Normal variant:
Apex beat at the right, shallow left nasolabial fold, imperforate anus, overly flexed upper extremities, absent movement of the left thumb, decreased movement of the 2nd and 3rd digits of the left hand, wrist drop at the left hand, sacral dimpling

Submitted by:
M.M. Cariño

Please add pictures (radiograph, ultrasound, CT or MR images) and schematic drawing of the developmental process if applicable by clicking on the symbols within the boxes below:

Picture 1-2: Babygram (PA and lateral views)
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Additional information

Underlying step in embryological development:

<table>
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<tr>
<th>Postconception Days</th>
<th>25</th>
<th>30</th>
<th>35</th>
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Potential differential diagnostic entities:

- CHARGE syndrome
- Holt Oram syndrome
- DiGeorge syndrome
- Townes-Brocks syndrome
- Trisomy 18

Schematic drawing of the developmental abnormalities in VACTERL syndrome.

In case you want to submit further pictures, please add these (radiograph, ultrasound, CT or MR images) and schematic drawing of the developmental process if applicable by clicking on the symbols within the boxes below:
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Additional pictures
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**Picture 5:** Dextrocardia
**Picture 6:** Right-sided aortic arch
**Picture 7:** Persistent left superior vena cava draining to the right atrium

**Picture 8:** Pulmonary artery sling
**Picture 9:** Mild to moderate narrowing of the mid to lower trachea to approx 49%
**Picture 10:** Aberrant left pulmonary artery arising from the right pulmonary artery
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Additional pictures

In case you want to submit further pictures, please add these (radiograph, ultrasound, CT or MR images) and schematic drawing of the developmental process if applicable by clicking on the symbols within the boxes below:

Fusion of L1 and RIGHT L2 hemivertebra, Fusion of LEFT L2 hemivertebra and L3, Fusion of L4 & L5

Crossed fused renal ectopia