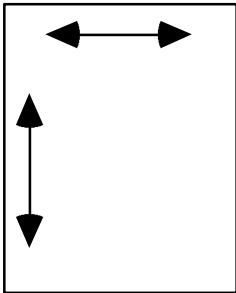


DICOM Correction Item

Correction Number		CP-55
Log Summary: Include example for determining the Pixel Aspect Ratio		
Type of Modification	Name of Standard	
Clarification	PS 3.3 - 1993	
Rationale for Correction		
<p>Although CP-20 greatly clarifies the definition of the Pixel Aspect Ratio, there is still fundamental confusion concerning this attribute which is affecting inter-operability.</p>		
Sections of document affected		
Table C.7-9, CP-20		
Correction Wording:		
<p>Add the following section to C.7.6.1</p> <p>C7.6.3.1.7 Pixel Aspect Ratio</p> <p>The pixel aspect ratio is the ratio of the vertical size and horizontal size of the pixels in the image specified by a pair of integer values where the first value is the vertical pixel size, and the second value is the horizontal pixel size. To illustrate, consider the following example pixel size:</p>		
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">$H = 0.25 \text{ mm}$</div> <div style="margin-bottom: 10px;">  </div> <div style="margin-bottom: 10px;">$V = 0.30 \text{ mm}$</div> <div>Dimensions of pixel</div> </div>		
<p>Pixel Aspect Ratio = $\frac{\text{Vertical Size}}{\text{Horizontal Size}} = \frac{0.30 \text{ mm}}{0.25 \text{ mm}}$. Thus the Pixel Aspect Ratio could be represented as the multivalued integer string "6\5", "60/50", or any equivalent integer ratio.</p>		