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## Abbreviations

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<tbody>
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<td>CT</td>
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<tr>
<td>Computer Assisted Tomography</td>
<td>CAT</td>
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<td>Digital Image Processing</td>
<td>DIP</td>
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<td>Digital Signal Processing</td>
<td>DSP</td>
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<tr>
<td>Fuzzy C Means</td>
<td>FCM</td>
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<tr>
<td>Inverse Standard Deviation</td>
<td>ISD</td>
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<td>Gradient Vector Flow</td>
<td>GVF</td>
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<tr>
<td>Magnetic Resonance</td>
<td>MR</td>
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<td>Magnetic Resonance Imaging</td>
<td>MRI</td>
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<td>Partial Differential Equations</td>
<td>PDE</td>
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<td>Position Emission Tomography</td>
<td>PET</td>
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<td>Radio Frequency Ablation</td>
<td>RFA</td>
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<td>Region of Interest</td>
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<td>Single Photon Emission Computed Tomography</td>
<td>SPECT</td>
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<td>Spatial Fuzzy C Means</td>
<td>SFCM</td>
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<tr>
<td>Standard Deviation</td>
<td>SD</td>
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<tr>
<td>Unequal Spaced Fast Fourier Transforms</td>
<td>USFFT</td>
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<td>Whole Brain Atlas</td>
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