# Dual Energy Ct In Clinical Practice

Clinical Background;58 1.6.1.2;2 Scan Protocol;59 1.6.1.3;3 Contrast Material Injection;61 1.6.1.4;4 Postprocessing;61 1.6.1.5;5 Diagnostic Evaluation;61 1.6.1.5.1;5.1 Stroke CT and Stenosis Evaluation;61 1.6.1.5.2;5.2 Virtual Unenhanced Images and Brain Hemorrhage;61 1.6.1.5.3;5.3 Intracranial Aneurysm, Angiomas, and Fistulas;62 1.6.1.6;6 Scientific Evidence;63 1.6.1.7;References;63 1.6.2;Aorta;64 1.6.2.1;1 Clinical Background;64 1.6.2.2;2 Physical Background;65 1.6.2.3;3 Scan Protocol;66 1.6.2.4;4 Contrast Material Injection;66 1.6.2.5;5 Postprocessing;67 1.6.2.6;6 Diagnostic Evaluation;67 1.6.2.7;7 Scientific Evidence;68 1.6.2.8;References;68 1.6.3;Peripheral Arteries;70 1.6.3.1;1 Clinical Background;70 1.6.3.2;2 Physical Background;71 1.6.3.3;3 Scan Protocol;71 1.6.3.4;4 Contrast Material Injection;72 1.6.3.5;5 Postprocessing;72 1.6.3.6;6 Diagnostic Evaluation;72 1.6.3.7;7 Scientific Evidence;72 1.6.3.8;References;74 1.6.4;Plaque Differentiation;76 1.6.4.1;1 Introduction;76 1.6.4.2;2 Rationale of Dual-Energy CT;77 1.6.4.2.1;2.1 Original Intensity Space;78 1.6.4.2.2;2.2 Dual-Energy CT Imaging of Plaques;78 1.6.4.3;3 Potential Future Directions for Dual-Energy CT Plaque Imaging;79 1.6.4.4;4 Conclusion;81 1.6.4.5;References;81 1.7;Part III Thoracic Imaging;83 1.7.1;Lung Perfusion;84 1.7.1.1;1 Clinical Background;85 1.7.1.2;2 Physical Background;85 1.7.1.3;3 Scan Protocol;86 1.7.1.4;4 Contrast Material Injection;87 1.7.1.5;5 Postprocessing;87 1.7.1.6;6 Diagnostic Evaluatio EAN/ISBN : 9783642017407 Publisher(s): Springer, Berlin Discussed keywords: Computertomographie Format: ePub/PDF Author(s): Johnson, Thorsten - Fink, Christian - Schnberg, Stefan O.