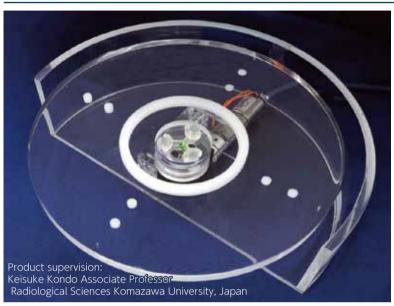
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Moving Phantom for Residual Image Evaluation KS-III

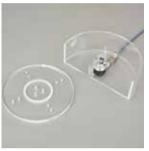


A phantom for determining shooting conditions and image processing parameters for moving images such as IVR









FEATURES

ISignals placed on a rotating disk for determining shooting conditions and image processing parameters for moving images IUsing moving signals to analyze the residual images and lags IMetallic ball for alignment

|Signals with four different contrast enables visual evaluation in low contrast

ICome with data analysis software which use imageJ

APPLICATIONS

IVR

| Evaluation of residue in moving image | Evaluation of contract variation in moving image

ANALYSIS METHOD

Noise reduction process such as recursive filter is effective on static images but generate residue (lag) on moving images. Use the phantom and the provided software to analyze and evaluate the residue (lag) particular to dynamic images.





dynam



DESCRIPTIONS

SET INCLUDES					IATERIALS
1	control unit	1	analysis software	Д	crylic resin, Epox
1	disc phantom	1	carrying case	_	
1	set of cable and plug		manual		

SPECIFICATIONS

Phantom size: W20×D18.5×H6.7 cm W7.9×D7.3×H2.6 in Phantom weight: 855g / 1.88lb Rate of rotation:4 /minute

*Rate 4rpm is based on cardiac movement of 20mm/s Internal signal:20.9mm/s, external signal:27.2mm/s Power supply:AC100V 50/60Hz

Consumption:10W

*Acrylic plates for scatterer are not included in the set

PUBLICATION REFERENCES

Sato H, Kondo K, Kato K, Nakazawa Y. Evaluation of image lag in a flat-panel, detector-equipped cardiovascular X-ray machine using a newly developed dynamic phantom. J Appl Clin Med Phys. 2015 Mar 8;16(2):5213. doi: 10.1120/jacmp.v16i2.5213.





