

:

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(

(sectional)

(

MAS KVP)

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MRI HRCT CT scan

Blood gas analysis, Pulmonary function and exercise testing
invasive monitoring

CT scan

pacemakers
cardiac defibrillators
stent
orthopedic devices

case report



Blood gas analysis, Pulmonary function and exercise testing
invasive monitoring

(KVP MAS)

pacemakers
cardiac defibrillators
stent
orthopedic devices

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(First aid)

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HRCT CT scan

HRCT CT scan

HRCT CT scan

HRCT CT scan

HRCT CT scan

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MRI

MRI

MRI

MRI

MRI

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(sectional)

(MAS,KVP)
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CT scan MRI



⋮

(KVP MAS)

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⋮

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(First aid)

⋮

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CT scan

CT scan

CT scan

CT scan

CT scan

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MRI

MRI

MRI

MRI

MRI

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(sectional)

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MAS, KVP)

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MRI CT scan



⋮

(KVP MAS)

⋮

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(First aid)

⋮

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CT scan

CT scan

CT scan

CT scan
CT scan

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MRI

MRI

MRI

MRI

MRI

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(MAS KVP)

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(.... MRI CT scan

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MRI CT scan

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⋮

(KVP MAS)

⋮

()

(First aid)

⋮

CT scan

CT scan

CT scan

CT scan

CT scan

MRI

MRI

MRI

MRI

MRI

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(sectional)

(MAS KVP)

()

MRI CT scan

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basilar compression craniosinostosis

segmentation dysraphism

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normal variants malformation

(KVP MAS)

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(First aid)

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MRI CT scan

globe

MRI CT scan

MRI CT scan

MRI CT scan

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:



(sectional)

(MAS,KVP)

()

MRI CT scan

:



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(KVP MAS)

:

()

(First aid)

:

CT scan

CT scan

CT scan

CT scan

CT scan

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MRI

MRI

MRI

MRI

MRI



:

(... UGI VCUG)

(:) Intussusceptions

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(screening mammography)

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(minimal breast cancer)

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(solid)

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MRI

MRI

MRI

:



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(PTC)

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FNA

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:

IVC

(IVC & SVC gram)

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(Ablation)

(PRT)

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(...

(AIDS)

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...

... PT CBC

(First aid)

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In vitro In vivo

In vivo

PET SPECT

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(X) :

linear energy transfer

(HVL)

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:

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:

(..... DNA)

acute radiation synd .

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:X

(bremsstrahlung) X

X

X

X

X

rating chart

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(quantum noise) Noise

sampling & aliasing

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()

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(...)

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(... FOV)

(optical coupling)

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()

(DSA) Subtraction

:

X

X

Magnification

-

:()

CT

SN

:

MR

FID

T2 , T1

(GRE , IR , SE) pulse sequences.

(...)

GE

SN

MRA

() MRI

MRI

:

()

side lobes fraunhauser

Fresnel zone

(

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, B mode M mode , A mode

noise

pulsed continuous -
duplex

(...)

electron capture decay

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 β^+ γ, β, α

anger scintillation camera

...

Focal Plane Tomography
SPECT

PET
annihilation coincidence detection

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