

Movie Illustration Compact Navigation System Dedicated to Percutaneous Interventions Guided by CT: Advantages and Limits

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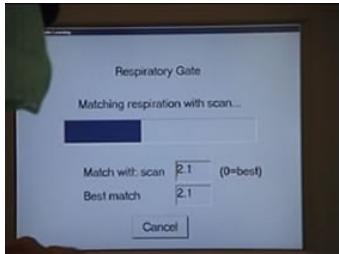
1) Movie : respiration gating setup

Play movie (Divx mepg4 - .AVI) ctguide-respgating-divx.mp4 

Description : This movie illustrates respiratory gating setup.



Respiratory gating setup



Respiratory gating setup

2) Movie : choosing needle length

Play movie (Divx mepg4 - .AVI) ctguide-calibre aiguille-divx.mp4 

Description : This movie illustrates needle selection.



needle



needle length selection

3) Movie :choosing plan and test in plane mode

Play movie (Divx mepg4 - .AVI) ctguide-inplanemode-divx.mp4 

Description : This movie shows the choice of plan. Use of inplane mode guidance.



Choosing plan



inplane mode guidance



in plane mode guidance

4) Movie : in plane mode

Play movie (Divx mepg4 - .AVI) ctguide-inplanemode2-divx.mp4



Description : This movie illustrates the in plane mode guidance overlay.



inplane mode guidance overlay red means not in plane



inplane mode guidance overlay green means in plane

5) Movie : out of plane mode

Play movie (Divx mepg4 - .AVI) ctguide-out of plan mode-divx.mp4 

Description : This movie illustrates out of plane mode guidance overlay.



Out of plane mode

6) Movie : case n°1

Play movie (Divx mepg4 - .AVI) ctguide1-mepg4.mp4 

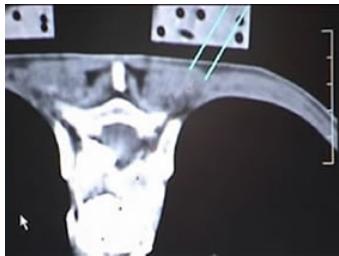
Description : This movie illustrates rafiofrequency neurolysis using CTguide.



This movie illustrates rafiofrequency neurolysis using CTguide



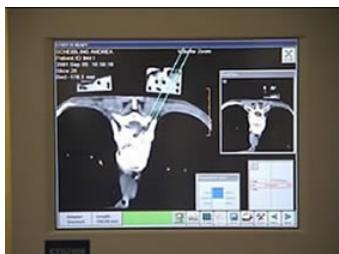
This movie illustrates rafiofrequency neurolysis using Ctguide



This movie illustrates rafiofrequency neurolysis using Ctguide



This movie illustrates rafiofrequency neurolysis using Ctguide



This movie illustrates rafiofrequency neurolysis using CTguide



This movie illustrates rafiofrequency neurolysis using Ctguide

7) Movie : case n°2

Play movie (Divx mpeg4 - .AVI) ctguide2-mpeg4.mp4



Description : This movie shows a difficult liver biopsy using CTguide. The reference CT is done in arterial phase permitting a precise location of the lesion by the CTguide overlay, even if the biopsy is done during portal or delayed phase.

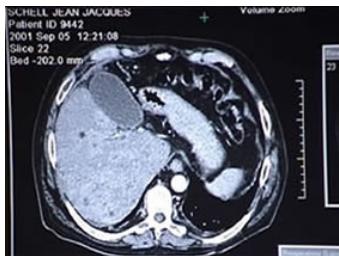


Fig 27: A short scalpel incision



Fig 28: Vertebroplasty needle placement under fluoroscopy



Fig 27: A short scalpel incision

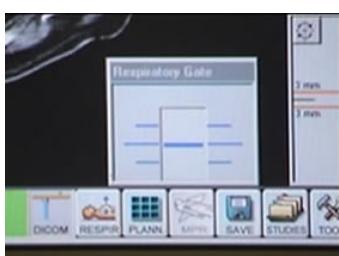


Fig 28: Vertebroplasty needle placement under fluoroscopy

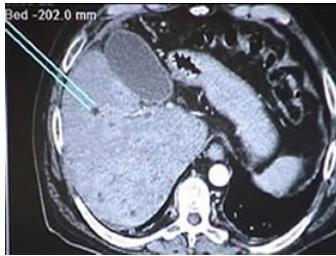


Fig 27: A short scalpel incision

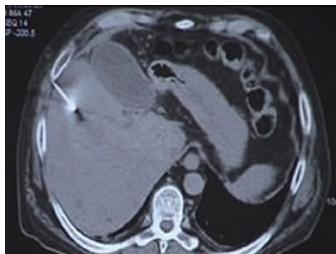


Fig 28: Vertebroplasty needle placement under fluoroscopy

8) Movie : case n°3

Play movie (Divx mpeg4 - .AVI) ctguide3-mpeg4.mp4



Description : This movie illustrates laser photocoagulation of osteoid osteoma, using Ctguide



laser photocoagulation of osteoid osteoma, using Ctguide



laser photocoagulation of osteoid osteoma, using
CTguide



laser photocoagulation of osteoid osteoma, using Ctguide



laser photocoagulation of osteoid osteoma, using Ctguide



laser photocoagulation of osteoid osteoma, using Ctguide



laser photocoagulation of osteoid osteoma, using Ctguide



laser photocoagulation of osteoid osteoma, using Ctguide

9) Movie : case n°4

Play movie (Divx mpeg4 - .AVI) ctguide4-mepg4.mp4



Description : This movie illustrates a retroperitoneal biopsy using CTguide.



This movie illustrates a retroperitoneal biopsy using CTguide



This movie illustrates a retroperitoneal biopsy using Ctguide



This movie illustrates a retroperitoneal biopsy using Ctguide



This movie illustrates a retroperitoneal biopsy using CTguide



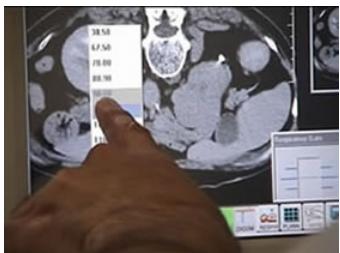
This movie illustrates a retroperitoneal biopsy using Ctguide



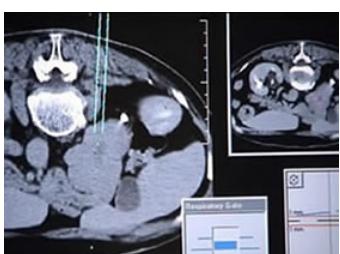
This movie illustrates a retroperitoneal biopsy using CTguide



This movie illustrates a retroperitoneal biopsy using Ctguide



This movie illustrates a retroperitoneal biopsy using CTguide



This movie illustrates a retroperitoneal biopsy using CTguide



This movie illustrates a retroperitoneal biopsy using CTguide



This movie illustrates a retroperitoneal biopsy using CTguide



This movie illustrates a retroperitoneal biopsy using Ctguide

10) Movie : CTguide new mobile

[Play movie \(Divx mepg4 - .AVI\) newmobile-mepg4-mob.mp4](#)



Description : This movie illustrates the new CTguide mobile localizing device (Alpha stage of development).



New CTguide mobile localizing device



New CTguide mobile localizing device

11) Movie : using the new mobile

Play movie (Divx mepg4 - .AVI) newmobile-mepg4-pn.mp4



Description : Using the new CTguide mobile localizing device (Alpha stage of development).



This movie illustrates a percutaneous radiofrequency neurolysis of lumbar facet joints using CTguide



This movie illustrates a percutaneous radiofrequency neurolysis of lumbar facet joints using Ctguide



This movie illustrates a percutaneous radiofrequency neurolysis of lumbar facet joints using Ctguide



This movie illustrates a percutaneous radiofrequency neurolysis of lumbar facet joints using CTguide



This movie illustrates a percutaneous radiofrequency neurolysis of lumbar facet joints using CTguide



This movie illustrates a percutaneous radiofrequency neurolysis of lumbar facet joints using Ctguide

12) Movie : precision demonstration

Play movie (Divx mpeg4 - .AVI) newmobile-mepg-pre.mp4



Description : Precision demonstration of the new CTguide mobile localizing device (Alpha stage of development).



This movie illustrates the precision of the new mobile Ctguide



This movie illustrates the precision of the new mobile Ctguide



This movie illustrates the precision of the new mobile CTguide