

Disco-vertebral biopsy

Procedural Information

Date of procedure: August 2016
Location: Strasbourg, France
Hospital: University Hospital
of Strasbourg
Physician: Julien Garnon, MD

Case Description

in this case, Gangi-SoftGuard® was used for disco-vertebral biopsy to target an infection of the disc and endplates. the spring-loaded blunt tip stylet made it possible to safely pass the needle to the target, avoiding damage to sensitive structures in the foramina.



Target point marked with arrow. To access the target, a transforaminal approach was used.



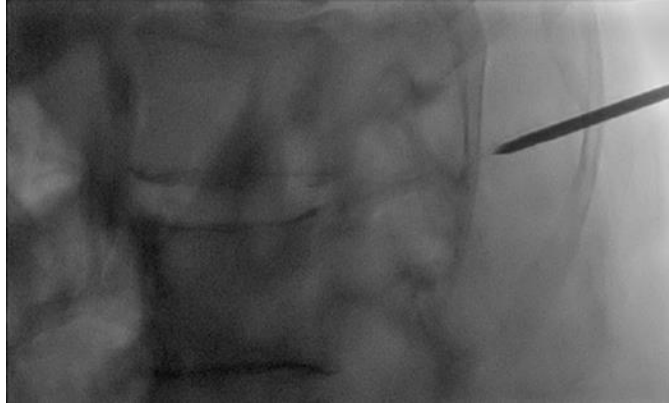
When accessing the target, care must be taken when passing the nerve root (yellow arrow) and vessels (turquoise arrow) in the foramina.

Gangi-SoftGuard[®]

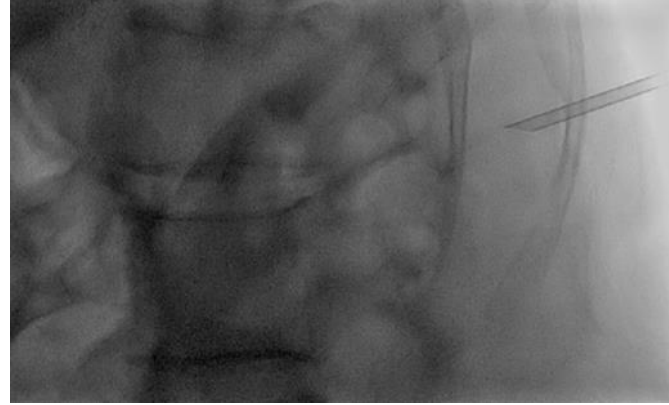
Coaxial Needle

Clinical Case Review 2

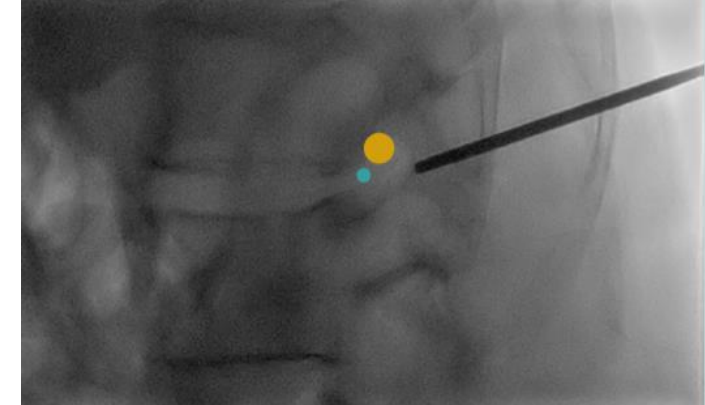
Retroperitoneal biopsy



Gangi-SoftGuard[®] is inserted with the diamond tip stylet.



Once the skin and first muscle is passed, the diamond tip stylet is exchanged for the springloaded blunt tip stylet.



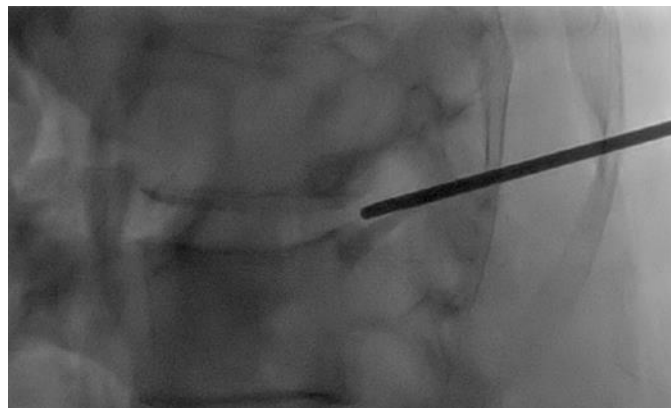
With the spring-loaded blunt tip stylet inserted, Gangi-SoftGuard[®] is advanced through the foramina. Nerve marked in yellow, vessel in turquoise.

Gangi-SoftGuard®

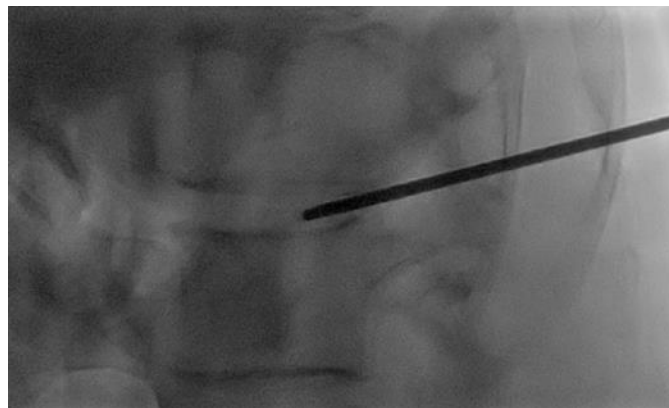
Coaxial Needle

Clinical Case Review 2

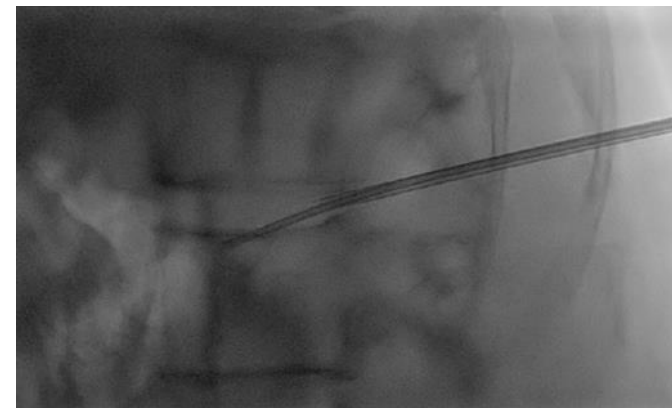
Retroperitoneal biopsy



Gangi-SoftGuard® is advanced till the disk is reached



Gangi-SoftGuard® is inserted into the disk.



Coaxial biopsy is performed through the Gangi-SoftGuard® needle.

Case and image courtesy of Julien Garnon, MD, University Hospital of Strasbourg, Strasbourg, France

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Indication for use: As a guiding needle in obtaining core biopsy samples from soft tissue such as liver, kidney, spleen, lymph nodes and various soft tissue lesions. Before using Gangi-SoftGuard® read the instructions for use which accompany the product for indications, contraindications, warnings and precautions. Gangi-SoftGuard® is a registered trademark of AprioMed AB. Patents pending.

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