Gangi-HydroGuard®

Coaxial Needle

Procedural Information

Date of procedure: May 2018

Location: Strasbourg, France Hospital: University Hospital

of Strasbourg

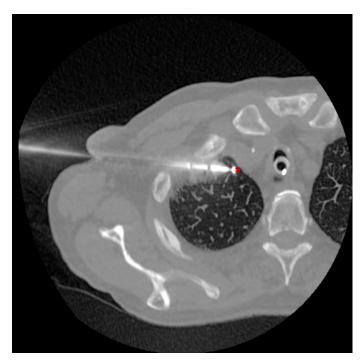
Physician: Julien Garnon, MD

Clinical Case Review 3

Lung cryoablation close to the mediastinum

Case Description

75 y.o man referred for the management of a post SBRT recurrence of a lung carcinoma. The lesion was located close to the mediastinum and especially the phrenic nerve. Cryoablation was planned with 3 probes. Additional CO2 injection in the pleura was also planned in order to insulate the phrenic nerve from the iceball.



Axial Ct scan showing cryoprobe #1 in position within the tumor. The phrenic nerve (asterisk) is close to the expected ablation zone.



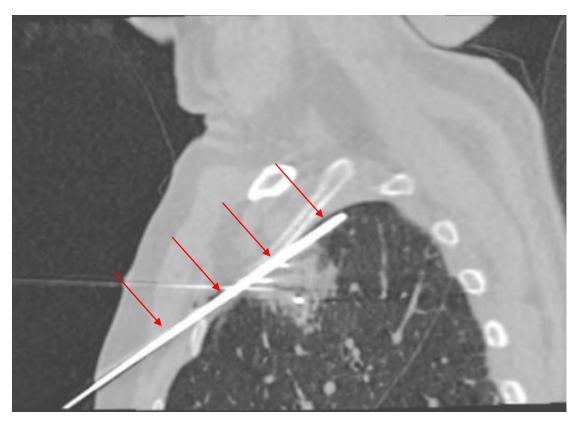
Axial Ct scan (more caudal than left image) showing cryoprobe #2 (probe#3 not shown) in position within the tumor. The phrenic nerve (asterisk) is still close to the expected ablation zone.

Gangi-HydroGuard®

Clinical Case Review 3

Coaxial Needle

Lung cryoablation close to the mediastinum



A 17G 17cm long Gangi-HydroGuard® (arrows) needle was advanced. The spring loaded blunt tip helps to penetrate precisely the pleural space, and then to advance safely within it.



CO2 injection (asterisks) through the Gangi-HydroGuard® needle helps to separate and insulate the mediastinum from the tumor.

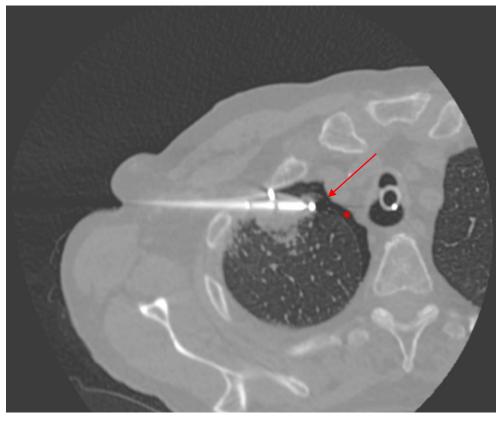


Gangi-HydroGuard®

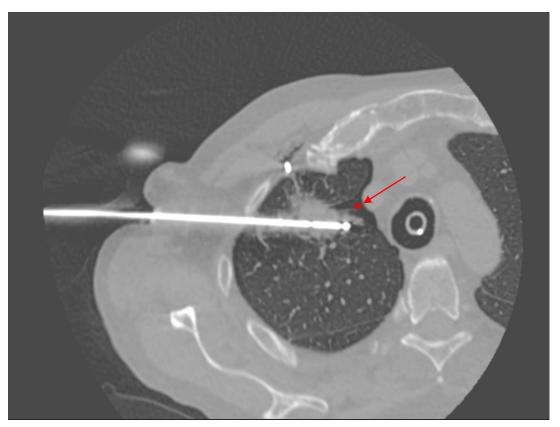
Clinical Case Review 3

Coaxial Needle

Lung cryoablation close to the mediastinum



Axial CT showing the phrenic nerve (arrow) separated from the lung thanks to CO2 injection (asterisk).



Axial CT showing the phrenic nerve (arrow) at a lower level separated from the lung thanks to CO2 injection (asterisk).

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



[1] 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-HydroGuard® read the instructions for use which accompany the product for indications, contraindications, warnings and precautions. Gangi-HydroGuard® is a registered trademark of AprioMed AB. Patents pending

