

ID RCB : not applicable

Sponsor ID : QS-NIS-G-H-2101

Title of document : Protocol synopsis

Date: 03-OCT-2022

Version: 2.0



POST MARKET FOLLOW-UP STUDY OF A ROBOTIC DEVICE FOR IMAGE-GUIDED PERCUTANEOUS NEEDLE PLACEMENT IN THE ABDOMEN

| | |
|---|--|
| Study title | Post Market Clinical Follow-up study of a robotic device for image-guided percutaneous needle placement in the abdomen |
| Study Number | QS-NIS-G-H-2101 |
| Investigational product | EPIONE® device |
| Investigational product characteristics | The device is a user controlled, stereotactic accessory intended to assist in the planning and manual advancement of needle, as well as in verification of needle position during CT-guided percutaneous ablation procedures. |
| Investigational device administration | The operating principle of the investigational device is the following: pre-interventional CT-scan acquisition, planning with the device's software , needle's insertion according to the predefined planning, acquisition of a per-procedure CT-scan to evaluate the needle(s) placement. |
| Reference therapy/product | N/A |
| Study design | Post Market Clinical Follow-up study (PMCF) Non-interventional, prospective, non-comparative study |
| Number of sites & country | 1 site in France |
| Sample size | Around 55 patients Around 55 CT-guided procedures in the abdomen |
| Indication | Percutaneous CT-guided procedures (tumor ablation, biopsy, ...) in the abdomen (liver, kidney, ...) |

ID RCB : not applicable

Sponsor ID : QS-NIS-G-H-2101

Title of document : Protocol synopsis

Date: 03-OCT-2022

Version: 2.0



| | |
|--------------------------------------|--|
| Primary objective | Evaluation of the technical success of the device |
| Primary endpoint | Number of targets reached; the target is considered to have been reached when the needle is positioned accurately enough to allow the planned procedure to be performed. |
| Secondary objective | Assessment of performance parameters and safety |
| Secondary endpoint | <p><u>Performance parameters</u></p> <ul style="list-style-type: none">○ Assessment of the needle placement accuracy○ Assessment of the needle adjustments to reach the target○ Assessment of post-intervention ablation success○ Assessment of local tumor recurrence,○ Operator satisfaction through a 5-points Likert scale question○ Device dysfunction <p><u>Safety</u></p> <ul style="list-style-type: none">○ Adverse Event(s) (AEs) |
| Patient inclusion/exclusion criteria | <p><u>Inclusion criteria:</u></p> <ol style="list-style-type: none">1. Patient is >18 years old,2. Patient for whom a CT-guided procedure in abdomen has been prescribed and agreed by a multidisciplinary team of radiologists, surgeons and clinicians,3. Patient with a confirmed non-opposition. <p><u>Exclusion criteria:</u></p> <ol style="list-style-type: none">1. Patient unable to undergo general anesthesia, <p>Pregnant or breast-feeding female</p> |
| Visit schedule | <p><u>Schematic diagram of visit schedule:</u></p> <p>The diagram illustrates the visit schedule with four horizontal arrows representing the timeline. Each arrow is labeled with a visit number and a date range. Below each arrow is a vertical dotted line representing a specific visit. The first visit (Visit 1) is labeled '(D0 - 1m) ≤ D ≤ D0' and is associated with a 'Routine pre-intervention consultation'. The second visit (Visit 2) is labeled 'D0' and is associated with a 'Day of the intervention'. The third visit (Visit 3) is labeled 'D0+3w ≤ D ≤ D0+3m' and is associated with a 'Routine follow-up visit at 2M'. The fourth visit (Visit 4) is labeled 'D0+6m ≤ D ≤ D0+15m' and is associated with a 'Routine follow-up Visit at 10M'.</p> <ul style="list-style-type: none">• <u>Visit 1: initial visit – patient screening</u> <u>(D0-1 month) ≤ D ≤ D0</u> <p>Review of inclusion and exclusion criteria, presentation of the study and the device (oral and written information for the patient). Paper information</p> |

ID RCB : not applicable

Sponsor ID : QS-NIS-G-H-2101

Title of document : Protocol synopsis

Date: 03-OCT-2022

Version: 2.0



| | |
|----------------------------|---|
| | <p>notice and non-opposition forms discussed with the patient allowing them sufficient time to consider the study's implications before deciding whether to participate. Next visit planned (day of the CT-guided intervention).</p> <ul style="list-style-type: none">• <u>Visit 2: inclusion visit – procedure day</u> <u>D0</u><ul style="list-style-type: none">- Confirmation of the non-opposition by the investigator,- Collection of demographic data, tumor data, primary cancer data as well as other medical history. Collection of concomitants pathologies/treatments.- Patient placed under general anesthesia.- Acquisition of the pre-interventional CT-guided image for the planning phase.- Insertion of the needle(s) to the targeted area with the subject device.- Acquisition of the per-procedure image under CT guidance.- Validation of the correct positioning of the needle(s).- Acquisition of the post-interventional CT-guided image.• <u>Visit 3: post-intervention follow-up visit at 2 months</u> <u>(D0+3 weeks≤D≤D0+3 months)</u> Acquisition of an image (CT-guided or MRI) of the organ to evaluate ablation site recurrence (local tumor recurrence) and possible AEs.• <u>Visit 4: post-intervention follow-up visit at 10 months</u> <u>(D0+6 months≤D≤D0+15 months)</u> Acquisition of an image (CT-guided or MRI) of the organ to evaluate ablation site recurrence (local tumor recurrence) and possible AEs. |
| Study duration per patient | From patient's information and non-opposition form signature to visit 4. From 6 months to 16 months, depending on the day of patient's non-opposition confirmation and the day of the visit 4. |
| Study schedule | Planned start: Q1 2022 Planned recruitment time: 18 months Planned last patient out: Q1 2024 |
| Randomization/blinding | No randomization, open label |
| DSMB | Non |
| GCP statement | This study will be conducted in compliance with the protocol, the current version of the Declaration of Helsinki, the ICH-GCP and ISO EN 14155 as well as all national legal and regulatory requirements. |