**Workshop on laryngeal reinnervation**

**May 20-21st 2019**

**Medical Training Center (MTC)**

**Preliminary Program (6/03/2019)**

**Locations**

* Auditorium, and dissection rooms: Medical Training Center (MTC), 20 rue Marie Curie, 76000 Rouen, France (Close to Faculty of Medicine and Charles Nicolle University Hospital)
* Working dinner : “6ème sens” Restaurant, 2 rue Thomas Corneille, 76000 Rouen

**Monday May 20th**

8h - 8:15 : Registation (MTC)

8:15 – 8:30 : Introduction. *Prof Alain Cribier, Prof Philippe Grise, Prof Laurent Yon, Mr Antoine Boudet, Prof Jean-Paul Marie*

8:30 – 9 :00 : Talks (Auditorium MTC)

* Anatomy and physiology of the larynx, applied to laryngeal reinnervation (Prof. Aude Lagier, 15’)
* Technique of the non selective unilateral reinnervation (ansa recurrent technique) (Kate Heathcote, 10’)
* Case n°1 presentation (JPM 5’)

9 – 10:45 : **Surgery from the Operating Room (OR)**: **Unilateral non selective reinnervation** (ansa recurrent technique) Kate Heathcote and Nicolas Bon Mardion (OR), with interaction in MTC : JP Marie, Yakubu Karagama, Prof. Roger Crumley)

10 :45 – 11:00 : café croissants

11 – 12:00 : Talks (Auditorium MTC)

* Prof. Roger Crumley : US experience with ansa recurrent technique (20’)
* Rouen experience of the ansa-recurrent technique and indications (JP Marie 10’)
* Ansa-recurrent: UK experience (K Heathcote, Y Karagama 10’)
* Discussion (10’)
* Laryngeal diplegia, etiology, evaluation and LEMG (JP Marie, 10’)
* Case n°2 presentation (JPM 5’)

12-13:00 : **from the OR :** **Evaluation of diplegia with LEMG** before laryngeal reinnervation (JP Marie, N Bon Mardion). Auditorium of the MTC : Kate Heathcote and Nicolas Bon Mardion.

13-14 : Lunch and discussion (MTC)

14 – 15:15 : Talks (Auditorium MTC)

* History and principle of Selective laryngeal reinnervation in bilateral vocal fold paralysis. Synkinesia (Prof Roger Crumley- JP Marie 20 min)
* Anatomy of the hypoglossal branches (ansa and XII TH), Frederic Crampon 15’
* Anatomy and physiology of the phrenic nerve (JP Marie, 15’)
* Technique of Bilateral and selective laryngeal reinnervation (JP Marie 15’)
* Neck dissection (JP Marie, 10’)

15:15 – 15:30 : Groups formation and go to **Dissection laboratories** (in the MTC)

*15 : 30 – 18 :* ***Hands on.*** *Group 1 : Cervical anatomy, dissection (MTC). (Aude Lagier, Y Karagama, K Heathcote, F Crampon) ; Group 2: nerves sutures (JP Marie, N Bon Mardion, Mathieu Evrard, Yohan Poirot).*

18: 15 – 19 : For all : Go back to **Auditorium of MTC**. Synthesis, discussion and preparation for Friday surgery : Bilateral selective reinnervation

* Nerve sutures (N Bon Mardion, 10’)
* (Stem cells for axonal regeneration (N Bon Mardion, 10’))
* Case n°3 presentation (JPM 5’)
* Discussion

20h : Dinner: “6ème sens” Restaurant, 2 rue Thomas Corneille, 76000 Rouen (Downtown)

**Tuesday May 21th**

*8 – 10:30:* ***Hands on****. Group 2 : Cervical anatomy, dissection (Yakubu Karagama, F Crampon, K Heathcote, JPM) ; Group 1 : nerve sutures (JP Marie, M Evrard, Y Poirot)*

10:30 - 13 : **Auditorium of MTC :**  **from the OR**: **Bilateral selective reinnervation.**

Nerves identification. Intralaryngeal dissection (Nicolas Bon Mardion, Aude Lagier). Auditorium : Kate Heathcote, Yakubu Karagama.

(11 – 11:15 : cafe croissants) during the procedure.

11:15- 11:45: Patient presentation (unilateral and bilateral reinnervation results) (with Xion\* assistance).

11:45- 12: Synkinesis (Prof Roger Crumley)

13 – 14 : Lunch and discussion with surgeons in the OR (Kate Heathcote in MTC)

14 – 16 : **Auditorium of MTC :**  **from the OR**: **Bilateral selective reinnervation**.

Nerves sutures (Nicolas Bon Mardion, JP Marie). Auditorium MTC: Kate Heathcote, Aude Lagier, Y Karagama, R Crumley.

15: Anesthesiology for diplegia (Jean Selim, 15’)

16- 18:15 : Talks

* Location of the motor endplates inside the PCA (Aude Lagier, 10’)
* Bilateral reinnervation, results and indications (JP Marie, 20’) +++
* Discussions (30’)

18:15- 18:30 : Closing remarks