ADVANCED TRAINING ON FUNCTIONAL RADIOSURGERY - DCE

September 16-18, 2019 - Marseille, France

Monday, 16th

09.30-9h45  Introduction to the program & Historical background
09.45-10.30  Radiobiology and histological effects
10.30-10.45  Coffee break
10.45-12.30  QA for imaging (+ ref to Icon)
12.30-13.30  Lunch at doctor’s lounge in the hospital
13.30-15.30  Psychiatric Disorders, Capsulotomy for OCD

- Historical evolution in target and dose
- Anatomical target and dosimetry considerations
- Comparative results of the main surgical techniques
- Role of the Gamma Knife
- Long term Outcome

15.30-16h00  Movement Disorders

- Historical evolution in target and dose
- Anatomical target and dosimetry considerations
- Comparative results of the main surgical techniques
- Potential evolution of the technique

16.00-16.30  Coffee break
16.00-17.30  Review of cases for Tuesday
Tuesday, 17th

06.00-12.00  Treatment of patient with Movement disorder & OCD

♦ Frame application
♦ Imaging
♦ Dose planning
♦ Treatment

12.00-13.30  Lunch

13.30-14.45  Trigeminal Neuralgia
♦ Historical evolution in target and dose
♦ Actual techniques - standards and protocols
♦ Radiological issues
♦ Anatomical target and dosimetry considerations
♦ Role of the Gamma Knife
♦ Long term Outcome

14.45-15.00  Coffee break

15.00-16.30  Epilepsy
♦ Rationale & Preliminary experiences
♦ Mesial temporal lobe epilepsies
♦ Patient selection
♦ Clinical & Radiological changes timetable
♦ Influence of dose volume and anatomical targeting
♦ What are indications for GK and MS in MTLE?
♦ GK for failures after radiosurgery
♦ GKS in MTLE with neuropsychological risk
♦ Hypothalamus Hamartomas
♦ Cavernous angiomas
♦ Dysplasia, DNET
♦ Callosotomy
♦ Other indications

16.30-17.00  Case review for Wednesday

17.00-18.00
Wednesday, 18th

06.00-12.00

Treatment of pain & epilepsy patient
Corpus Callosotomy, MTLE, Hypothalamic Hamartoma.

♦ Frame application
♦ Imaging
♦ Dose planning
♦ Treatment

12.00-13.30

Lunch

14.00-15h30

Hands on with the cases of the day

15h30 -15h45

Coffee Break

15.45-16.15

Is there a role for minimally invasive techniques in Epilepsy Surgery?
Karl Schaller (Switzerland)

16.15 - 16.45

Discussion all together

16.45-17.00

Closure of the Course