



**NEUROMODULATION COURSE :
BRASILIA PAIN INSTITUTE
(INDOR-DF)**





Module 1

MAY 12-13

FRIDAY

HOTEL MERCURE

- **8:00 to 9:00 am** - Neurochemistry and Neurophysiology of the Neuromodulation Pain Treatment - An overview
- **9:00 to 10:00 am** - Neurophysiological mechanisms of Spinal Cord Stimulation(SCS)
- **10:00 am** - Coffee break
- **10:30 to 12:00 pm** - Indications of spinal cord stimulation: How to select a good candidate?
- **12:00 to 14:00 pm** - Lunch
- **14:00 pm** - **KNOWING THE SYSTEMS AVAILABLE IN BRAZIL AND SPECIAL FEATURES**
 - + Basic programming aspects: direct current and its advantages
 - + The advantages of independent stimulation contacts
 - + Knowing the Multiwave system stimulation at high frequency

SATURDAY

HOSPITAL SANTA LUZIA D`Or

SATURDAY: SURGERY WITH ELECTRODE IMPLANT PERCUTANEOUS OR LAMINECTOMY



Module 2

JUNE 30 AND
JULY 01

FRIDAY

HOTEL MERCURE

- **8:00 to 9:00 am** - PUMP Indications: Oncological pain and benign pain
- **9:00 to 10:00 am** - Pharmacokinetics and pharmacodynamics in the intrathecal space
- **10:00 am** - Coffee break
- **10:30 to 12:00 pm** - PUMP SYSTEMS: Patient SELECTION and surgical technique
- **12:00 to 14:00 pm** - Lunch
- **14:00 pm** - KNOWING THE PRESENT SYSTEM IN BRAZIL AND SPECIAL FEATURES: THEORETICAL AND PRACTICE
 - + Advantages of pentapolar electrodes
 - + Implanting paddle lead by percutaneous techniques
 - + Knowing the dorsal root ganglion stimulation system(DRG)
 - + Programming a patient with a system in tonic and BURST models

SATURDAY

HOSPITAL SANTA LUZIA D`Or

ELECTRODE IMPLANT SURGERY SYSTEM



Module 3

JULY 14-15

FRIDAY

HOTEL MERCURE

- **8:00 to 9:00 am** - Treatment of chronic headache with use of peripheral neuromodulation: indications
 - + Cluster headache
 - + Occipital neuralgia
 - + Chronic daily headache
- **09:00 to 10:00 am** - Electrode implantation in the occipital nerves and supra-orbital nerves: Surgical technique
- **10:00 am** - Coffee break
- **10:30 to 12:00 pm** - Treating and minimizing electrode implant complications in peripheral nerve system
- **12:00 to 14:00 pm** - Lunch
- **14:00 pm** - KNOWING THE PRESENT SYSTEM IN BRAZIL AND SPECIAL FEATURES: THEORETICAL AND PRACTICAL PART
 - + Advantages of MRI SAFE systems
 - + Programming patients with tonic voltage system: Practice
 - + High density stimulation: a new form of stimulation
 - + Programming a system that changes according with patient position

SATURDAY

HOSPITAL SANTA LUZIA D`Or

PART PRACTICE: ELECTRODE IMPLANT SURGERY SYSTEM



Module 4

Neuromodulation in the
THE PERIPHERAL
NERVOUS SYSTEM
AUGUST 11-12

FRIDAY

HOTEL MERCURE

- **8:00 to 09:00 am** - Electrode implanting technique: Percutaneous electrode (surgical technique)
- **9:00 to 10:00 am** - How to evaluate and doing the best trial before the definitive implant?
- **10:00 am** - Coffee break
- **10:30 to 12:00 pm** - New stimulation systems:
 - + What is burst? Rationale?
 - + High Frequency Neurostimulation
 - + DRG stimulation
- **12:00 to 14:00 pm** - Lunch
- **14:00 pm** - KNOWING THE PRESENT SYSTEM IN BRAZIL AND SPECIAL FEATURES: THEORETICAL AND PRACTICAL PART
 - + Spinal cord stimulation at high frequency
 - + high frequency stimulator in peripheral nervous system
 - + implantable system with lead and generator together

SATURDAY

HOSPITAL SANTA LUZIA D`Or

PART PRACTICE: ELECTRODE IMPLANT SURGERY IN PERIPHERAL NERVE



Module 5

INTRATHECAL INFUSION DRUG SYSTEMS (PART 1)

SEPTEMBER 29-30

FRIDAY

HOTEL MERCURE

- **8:00 to 9:00 am** - Welding complications: Migration, obstruction, etc.
- **9:00 to 10:00 am** - Managing patients with late tolerance to opioid medication and New intrathecal drugs to treat pain
- **10:00 am** - Coffee break
- **10:30 to 12:00 pm** - How to select the ideal patient for intrathecal baclofen? (Directions, how to test, use in patients who walk)
- **12:00 to 14:00 pm** - Lunch
- **14:00 pm** - KNOWING THE PRESENT SYSTEM IN BRAZIL AND SPECIAL FEATURES: THEORETICAL AND PRACTICAL PART
 - + Programmable infusion system : overview
 - + SYSTEM WITH CONSTANT INFUSION RATE(GAS SYSTEMS): overview
 - + Programming: how to manage the programmable systems

SATURDAY

HOSPITAL SANTA LUZIA D`Or

PART PRACTICE: PUMP SURGERY IMPLANT



Module 6

INFUSION SYSTEMS INTRATHECAL (PART 2)

OCTOBER 20-21

FRIDAY

HOTEL MERCURE

- **8:00 to 9:00 am** - Electrode implant: Surgical technique with laminectomy (padle leads)
- **9:00 to 10:00 am** - Treating and minimizing complications of the surgical implant (padle leads)
- **10:00 am** - Coffee break
- **10:30 to 12:00 pm** - Treatment and minimizing complications of percutaneous spinal cord stimulation implant
- **12:00 to 14:00 pm** - Lunch
- **14:00 pm** - **KNOWING THE PRESENT SYSTEM IN BRAZIL AND SPECIAL FEATURES: THEORETICAL AND PRACTICAL PART 2**
 - + Programmable infusion system
 - + SYSTEM WITH CONSTANT INFUSION RATE(GAS SYSTEMS)
 - + Programming: how manage the programmable systems

SATURDAY

HOSPITAL SANTA LUZIA D`Or

PRACTICE: PUMP SURGERY (MORPHINE OR BACLOFEN)



CONFIRMED SPEAKERS

- 1 • Dr. Erich Fonoff: USP
- 2 • Dr. Bernardo de Mônaco, USP
- 3 • Dr. Gilberto de Almeida Filho, BH
- 4 • Dr. Alexandre Novicki Francisco, PUC-Curitiba
- 5 • Dr. Nilton Lara Jr., Santa Casa de SP
- 6 • Dr. Leonardo Kapural, Wake Forest, North Karolina, EUA

OFFICIAL HOTEL

HOTEL MERCURE



Mercure



ACCOMMODATION

- **Reservation central**

+55 61 3424.2001

+55 61 3424.2003

- **Hosting options**

Single Standart - R\$ 239,00 a day

Duplo Standart - R\$ 289,00 a day

Single superior - R\$ 289,00 a day

Duplo superior - R\$ 339,00 a day

Diária com café da Manhã - 5% Iss



61 3346.0023

secretaria@indordf.com.br

Centro Clínico Advanced 1, SGAS 915, 2 Subsolo, Sala S39.0, Brasília - DF