



International Symposium  
Institut de la Main

# PERIPHERAL NERVE RECONSTRUCTION :

## NEWS AND FAKE NEWS

Chairman : Alain Gilbert

## Preliminary Program



April 12-13, 2019

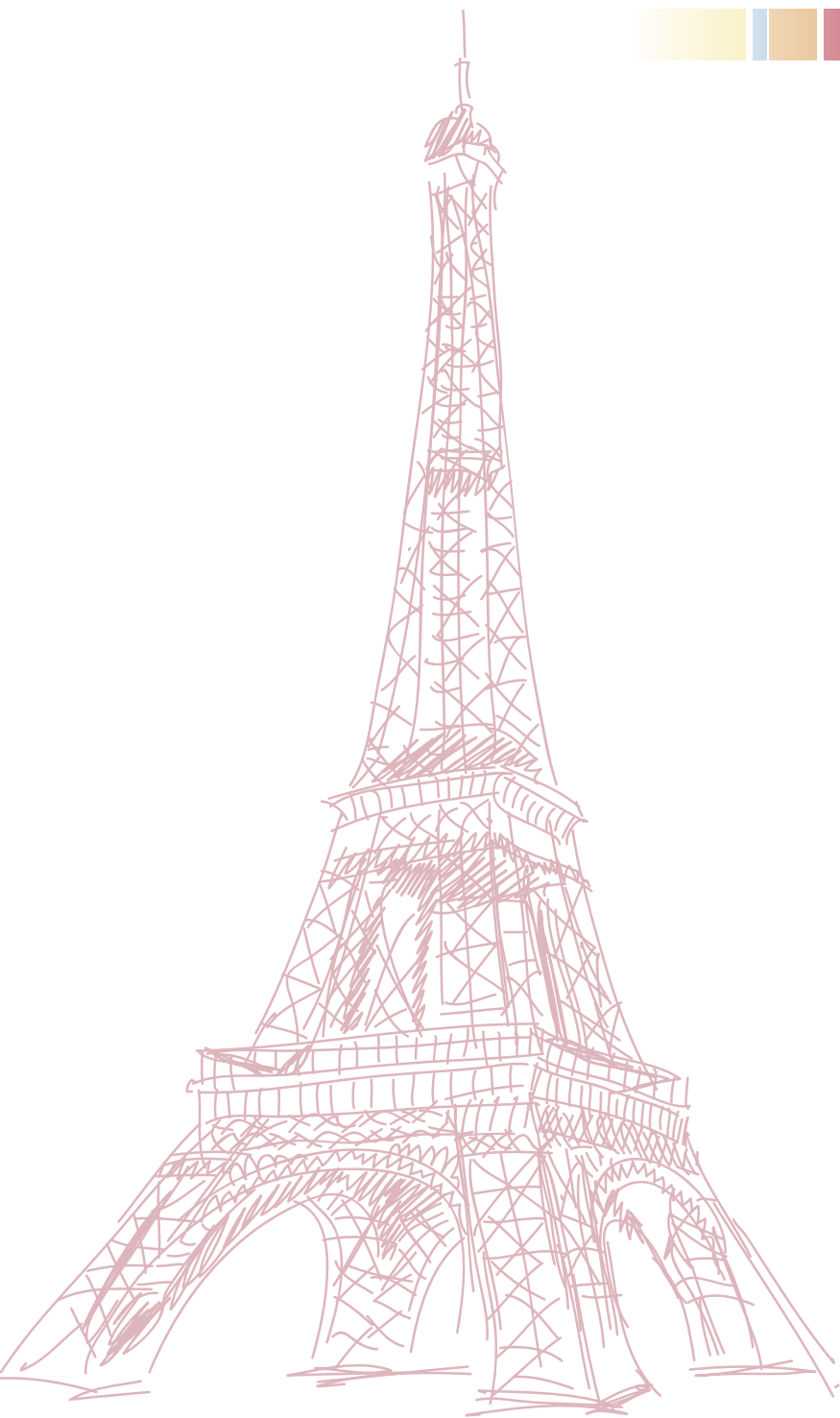
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> **VENUE**

87 Boulevard de Grenelle  
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# FOREWORD

International Symposium  
Institut de la Main

## **PERIPHERAL NERVE RECONSTRUCTION :** NEWS AND FAKE NEWS

### > Chairman

Pr Alain Gilbert

### > Members of « Institut de la Main »

- Alain Gilbert
- Caroline Leclercq
- Christophe Mathoulin
- Francesco Brunelli
- Philippe Valenti
- Mathilde Gras
- Anne Vidil
- Stephane Guero
- Alain Iserin
- Choukri Dib
- Jean-David Werthel
- Alham Arnaout

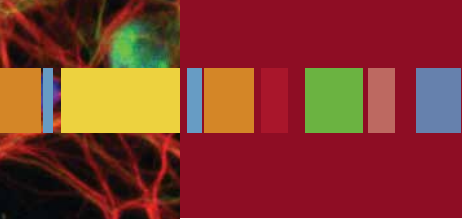
After 40 years of Peripheral Nerves repair, the global perception is that we have seen many promises and expectations, many exciting research advances, many new technologies but alas to few major improvements either in technique or strategy .

This is due to several factors :

- The growing discrepancy between animal research and clinical applications, aggravated by the increasingly complex regulatory and ethics environments.
- The significant commercial interests having more impact on Journals and meetings.
- The multiplication of non-significant publications, amongst which the real progress is difficult to identify.

It is time to separate the real progress from the fake news which has become so common in the past years. This is the aim of this Symposium where some of the most experienced and renowned nerve surgeons will debate these subjects.

**Pr Alain GILBERT**  
Chairman Institut de la Main  
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International Symposium Institut de la Main  
**PERIPHERAL NERVE RECONSTRUCTION:**  
NEWS AND FAKE NEWS

## ---> INTRODUCTION // A. Gilbert (Paris, France)

## ---> EXPECTATIONS

- An overture to basic science aspects of nerve injuries // T. Carlstedt (Stockholm, Sweden)

## ---> ANIMAL MODELS IN NERVE AND REPAIR: ARE THEY VALID?

- Of mice and men: understanding the limitations of animal research // S. Tuffaha (Baltimore, USA)

## ---> FAKE NEWS IN NERVE RESEARCH?

- Fake news in research publications: the case for «innovative» peripheral nerve guides // S. Geuna (Milano, Italy)

## ---> CAN PROGRESS COME FROM LITTERATURE?

- Evidence based medicine: How to destroy creativity // M. Merle (Luxemburg, Luxemburg)
- None of this would have happened... // A. Gilbert (Paris, France)

## ---> WHAT ABOUT NERVE APPROXIMATION?

### • The glues

- Are all glues suitable for nerves? What NOT to use! // M. Bagot d'Arc (Paris, France)
- Fibrin Glue Nerve Repairs - Does it live up to the hype? // J. Isaacs (Richmond, USA)
- Synthetic glue
- Experience with the Egyptian glue // S. Amine (Cairo, Egypt)

### • Robots and endoscopy: any use?

- Endoscopic harvesting of Intercostal nerves and CLC7 // Ph. Liverneaux (Strasbourg, France)
- Micro robotic repair // T. Van Mulken (Maastricht, Netherlands)
- A new robotic platform designed for microsurgery // M. Innocenti (Florence, Italy)
- Endoscopic neurolysis of the infraclavicular plexus // T. Lafosse (Aix les Bains, France)

### • Other concepts

- Histologic assessment of nerve stump // J. Bahm (Leuven, Belgium)
- OBPL - where is the lesion? // W. Pondaag (Leyden, Netherlands)
- Direct sutures in BP? // J. Bahm (Leuven, Belgium)
- Long non vascularised nerve grafts - (around 25cm) - How do they work? // R. Sabapathy (Coimbatore, India)
- Timing in nerve repair: does it matter? // M. Wiberg (Umea, Sweden)
- Choosing the right stimulator // M. Qattan (Riyadh, Saudi Arabia)

- A comparative study of stimulators // M. Gras, C. Leclercq (Paris, France)

- Is bypass nerve repair an issue? // J. Grossman (Miami, USA)

- How do proximal repairs work? // R. Sabapathy (Coimbatore, India)

- Partial nerve injuries: to do or not to do // Z. Dailana (Larissa, Greece)

- Longitudinal division of a motor nerve: can two different functions be obtained? // A. Lim (Singapour)

### • Aids to suture

- Boosting nerve repair // R. Zuker (Toronto, Canada)

- Supercharging with NT // A. Moore (Saint Louis, USA)

## ---> AUTOGRAFTS, ALLOGRAFTS, ARTIFICIAL NERVE: WHAT'S GOOD? WHAT'S BAD?

### • Allografts

- The Chinese Allograft // QT. Zhu (Guangzhou, China)

- Preliminary results of nerve allograft in OBP // S. Wang (Beijing, China)

- Early results of 44 cases of Allograft repairs in OBP // A. Gilbert (Paris, France), P. Raimondi (Legnano, Italy), S. Benamirouche (Algiers, Algeria)

- Allografts for long nerve defects // B. Safa (San Francisco, USA)

- Experience with Axogen in OBP // A. Berger (Miami, USA), J. Grossman (Miami, USA)

- Our views on Allografts // A. Moore (Saint Louis, USA)

- Improving the Allografts? // E. Devinney (Alachua, USA)

### • Conduits

- Research and money... // M. Haerle (Markgroningen, Germany)

- Neuroma trial using Polyganics // S. Levin (Philadelphia, USA)

- Systematic review of tubes vs. grafts // J. Braga Da Silva (Porto Alegre, Brazil)

- The use of connectors for painful neuromas // I. Ducic (Washington, USA)

- Use of Connectors in Nerve Coaptation - Does Entubulation Matter? // J. Isaacs (Richmond, USA)

- Decades of research about conduits: why are they still used only for small distal nerves? // P.L. Tos (Milano, Italy)

- Autogenous venous nerve conduits // D. Chiu (New York, USA)

- Biological versus synthetic conduits: is there a difference? // B. Battiston (Torino, Italy)

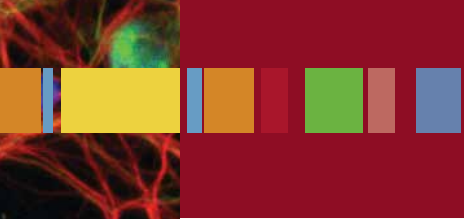
- Muscle-in-vein guide for reconstruction of digital nerve defects // I. Marcocci ( )

### • Artificial nerve soon

- Research on artificial nerve graft // QT. Zhu (Guangzhou, China)

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## ---> END TO SIDE: A SERIOUS PROPOSITION?

- End to side a limited experience in OBP // W. Pondaag (Leiden, Netherlands)
- End to side in adults BP // M. Del Bene (Milano, Italy), P. Raimondi (Legnano, Italy)
- Experience with End to side // B. Battiston (Torino, Italy)
- Use of end to side in new clinical situations // G. Borschel (Toronto, Canada)

## ---> NERVE TRANSFERS: THE SOLUTION?

- Is contralateral C7 useful in brachial plexus injury // S. Wang (Beijing, China)
- My experience with CLC7 // A. Bathia (Pune, India)
- Use of Phrenic nerve in BP: is it safe // N. Felici (Rome, Italy)
- Experience with the phrenic to posterior division of lower trunk transfer // A. BATHIA (Pune, India)
- Pitfalls in using the phrenic nerve // M. Socolovsky (Buenos Aires, Argentina)
- SA nerve to SS: a prospective study // N. Kerfant (Rennes, France), A. Gilbert (Paris, France)
- Accessory nerve repair: are the results so good? // S. Ferraresi (Rovigo, Italy)
- Nerve transfers for fingers extension: advantages // R. Ferreira (Recife, Brazil)
- Nerve transfer and reconstruction for shoulder in adult brachial plexus injury // S. Leechavengvongs (Bangkok, Thailand)
- Axillary nerve repair - Critical review of the triceps branch-axillary nerve transfer (Somsak procedure) // S. Ferraresi (Rovigo, Italy)
- Nerve transfer options for Axillary nerve and its branches // J. Clifton (Guadalajara, Mexico)
- 100% results! is that reasonable? // P. Raimondi (Legnano, Italy)
- Hand by nerve transfers worth the effort? // E. Basso (Rovigo, Italy)
- Nerve transfers in Tetraplegia // E. Conce (Santiago de Chile, Chili)

## ---> IS IT POSSIBLE TO ENHANCE REGENERATION?

- Growth Hormone Therapy for Peripheral Nerve Injury: Preclinical Data and Level I Clinical Trial // S. Tuffaha (Baltimore, USA)
- Drug and growth factor delivery // G. Borschel (Toronto, Canada)
- Use of stem cells in nerve repair: dream or reality? // M. Wiberg (Umea, Sweden)
- Clinical use of stem cells: a long term review // R. Ferreira (Recife, Brazil)

## ---> DIFFICULT BUT POSSIBLE: REAL NEWS

- The diagnosis and treatment of lumbar-sacral plexus injury // S. Wang (Beijing, China)
- Bionic limbs with direct nerve stimulation // M. Bumbasirevic (Belgrade, Serbia)
- Neural Enabled Prosthetic Hand System: Restoring hand sensation for transradial amputees // A. Berger (Miami, USA)

- Controversies on compressions // M. Socolovsky (Buenos Aires, Argentina)
- The significance of gliding tissue flaps in severe neuropathic pain syndromes // R. Schmidhammer (Vienna, Austria), S. Tsolakidis (Vienna, Austria)
- Corneal Reinnervation: Sight Saving Microsurgery // R. Zucker (Toronto, Canada), G. Borschel (Toronto, Canada)
- Understanding muscle and soft tissue contractures after palsy // J. Bahm (Leuven, Belgium)
- A little medicine to prevent a lot of surgery: can contractures in NBPI actually be cured? // R. Cornwall (Cincinnati, USA)
- Latrogenic nerve lesions around the shoulder // Ph. Valenti (Paris, France)
- Hyperselective neurectomies in spasticity: how come there is no recurrence? // C. Leclercq (Paris, France)

## ---> ARE LATE REPAIRS POSSIBLE?

- The value of electrical stimulation // G. Borschel (Toronto, Canada)
- Results of late repairs // P. Raimondi (Legnano, Italy), A. Gilbert (Paris, France)

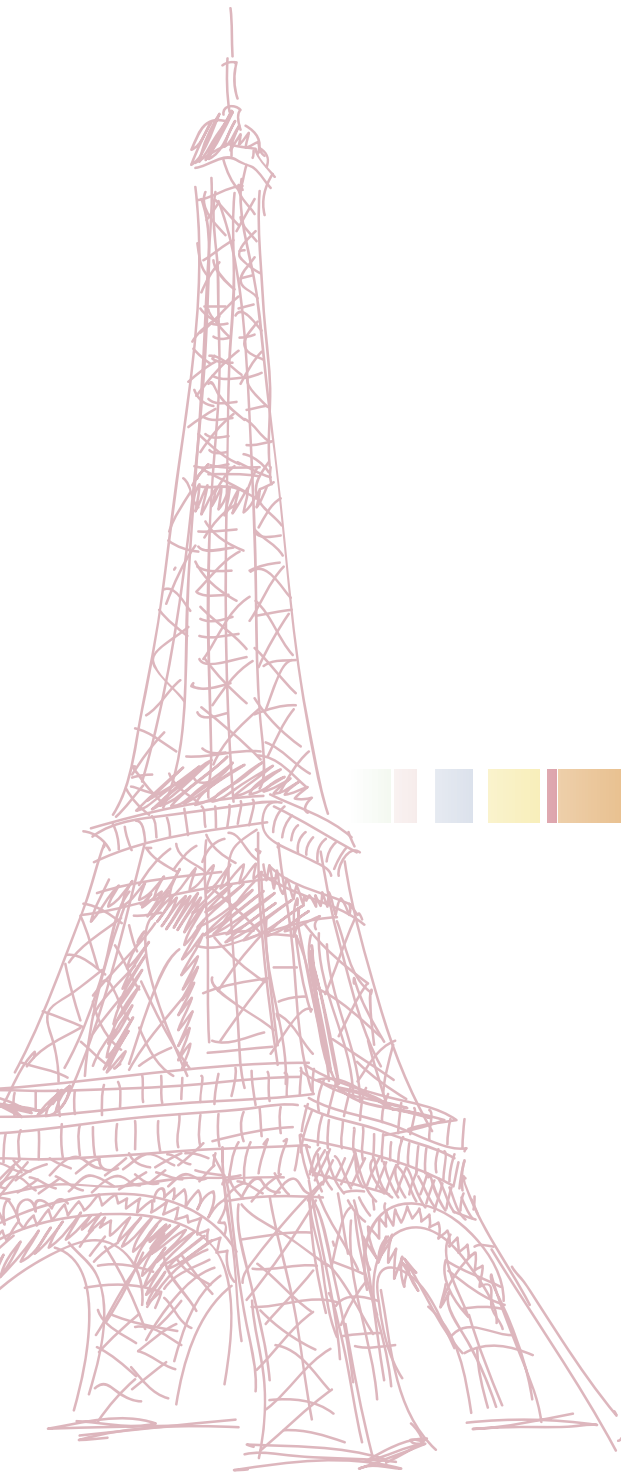
## ---> NEWS AND FAKE NEWS IN NERVE ANATOMY

- Is Horner syndrome pathognomonic? // M. Qattan (Riyadh, Saudi Arabia)
- Visualization of normal and regenerating nerve fibers in peripheral nerves - can the synchrotron technique provide more information? // L. Dahlin (Lund, Sweden)
- Ant Interosseous. Nerve compression: understanding the lesion // M. Burnier (Lyon, France), S. Wolfe (New York, USA)

## ---> EVALUATION OF RESULTS?

- Which way to go? // A. Ladd (Palo Alto, USA)
- The Medinacelli technique to evaluate results in rats // M. Merle (Luxemburg, Luxemburg)
- The clinical assessment after brachial Plexus Surgery: How to turn bad results into good results? // J.N. Goubier (Paris, France)





**GENERAL ORGANIZATION**



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