Nassim Abi Chahine M.D

Biography

Neurosurgeon

Born in Lebanon, Middle East, in 1977

Medical Doctorate

The Medical University of Lodz - Lodz, Poland

Post Medical Education

The University of Balamand - Beirut, Lebanon

Post Specialty Fellowship

Masters in Spine from AO Spine - Switzerland

Professional performance

2002 and 2014

Cooperated in educating medical students in Lebanon at

- Saint Joseph University
- The Lebanese University
- University of Balamand
- Saint George Hospital
- Dahr Al Bashek Hospital
- Lebanese red cross institutions

2007-2011

Neurosurgery assistant at the Central Military Hospital, Badaro Beirut, Lebanon

Professional performance

6 international articles

1st author in 2 articles
2nd author in 4 articles

1 international speech

Brain Abscesses, June 2009
International WALN congress- Speaker

1 International congress communication

Unstable thoraco-lumbar junction fractures, June 2005
Movempik, Lebanon

1 acknowledgment

Posterior dynamic Stabilization, The Pan Arab Journal of Neurosurgery. Volume 14, No.1

Around **1 thousand medical posts on the world wide web**
Around **10 thousands blogs**
Around **300 thousands Google entries**

Intellectual possessions- I

Spinal extradural arachnoid cysts
April 2007
Clinical study
Second author

A rare etiology of myelopathy: Spinal dural arteriovenous fistula
October 2007
Clinical study
Second author

Dandy-Walker malformation: Surgical treatment of 17 cases
April 2008
Original Article
Second author

Intellectual possessions- II

Kyphoplasty, state-of-the-art
October 2008
Original article
Second author

First global case of brain abscess caused by Kluyvera
April 2008
Case report
First Author

Success of heparin use in intraventricular haematoma treatment
October 2009
Case report
First author, Inventor and Promoter

Areas of Expertise

Surgery of the

Brain
Spine
Peripheral Nerves

Autologous Stem Cells Transplantation

- Pioneered in Neuro-regeneration
- Conceived the Regentime Procedure using autologous stem cells Sources from:
  - Bone Marrow
  - Peripheral Blood
  - Adipose Tissues

Membership

Moderator of the **MedHelp International Neurosurgery Experts Forum**, 2009-2010

Member of the **Walter E. Dandy Neurosurgical Society**,

the society for operative neurosurgery

Member of the **World Association of Lebanese Neurosurgeons**

Cofounder of the **WALN-Young Neurosurgeon Committee**

Member of the **Resident Teaching Committee** at Saint Georges Hospital Beirut, 2008

Member of the **Lebanese Society of Neurosurgery**

Member of the **Wiki-Project Lebanon**

Didactic Activities

Lecturer of the Master degree in Physiotherapy, Neurological rehabilitation, Faculty of Medicine, Saint Joseph University, Beirut Lebanon

Lecturer at the Doctorate degree in Pharmacy, **Stem Cell Therapy,** Faculty of Pharmacy, Saint Joseph University, Beirut Lebanon

Lecturer of Human Anatomy at the Red Cross Nursing School, Tripoli Lebanon

Lecturer at the in-service nursing program of Saint George Hospital University Medical Center, Beirut Lebanon

Trained in surgical and clinical skills hundreds of students from **The Lebanese University** and **The University of Balamand**, between years 2002 and 2014

"I was Known for the spontaneous annual conference on surgical knots, stitches, needles, incisions and wound healing, attracting fascinated interns and residents at my place of training. That presentation had a fundamental hands-on demonstration and practice… I remember this was the most well kept-in-mind action which became a tradition for 7 years during my training at St. George Hospital…"

Achievements

Pioneer of a new method of **treatment of intra-ventricular hematomas**; this management is a life saving procedure in repetitive external derivation closure. Results and Methods were published in October 2009, the Pan Arab Journal of Neurosurgery.

Current research interests

How to maximize the success of Stem Cells Autograft- 170 cases of Adult Autologous Stem Cell Transplantation

Material and Methods

640 patients were screened for a period of five years.

170 patients were eligible to including criteria and underwent ASCT- Adult Stem Cell Therapy

Treated cases:

- ✓ 27 Multiple sclerosis
- ✓ 19 Amyotrophic lateral sclerosis
- ✓ 13 Stroke
- ✓ 4 Muscle dystrophy
- ✓ 18 Alzheimer
- ✓ 15 Parkinson
- ✓ 24 Cerebral palsy
- ✓ 16 Autism
- ✓ 15 Diabetes
- ✓ 19 Spinal cord injury

Patients Grounding

- Eradication of potential infection or inflammation prior to stem cell transplantation
- Heavy metal intoxication and detoxifying regimen
- Importance of mobilizing agents

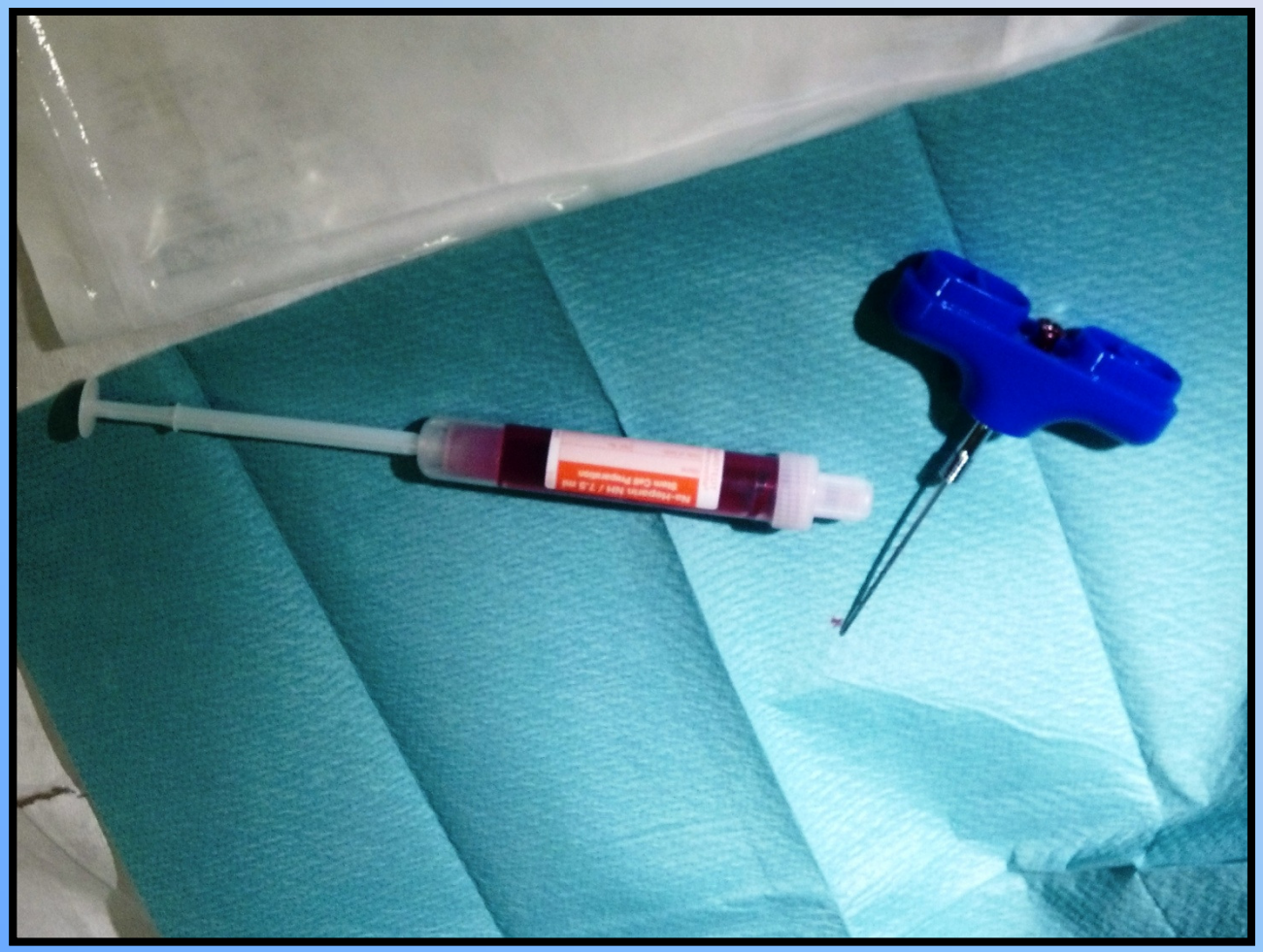
ASCT Procedure

- Physical and biological examination prior to transplantation
- Stem cells' mobilization and collection
- In vitro proliferation and differentiation
- The Mannitol effect on brain barrier
- Reinfusion of stem cells

Post stem cell transplantation care

- The effect of Citicoline on brain plasticity
- Cerebrolysine and its neuroprotective role
- Flax seed oil effect in neurogenesis and lipid signaling
- The outcome of hyperbaric regimen in autism and cerebral palsy

Bone marrow Collection Kit



Bone Marrow Collection

Stem Cells dose for injection

Cerebrospinal Fluid drainage

Intrathecal stem Cells injection

Intravenous Stem cell injection

The Trendelenburg position in Stem Cell Therapy

Patient M. Choueib Abnormal EEG before ASCT

Name محمد خالد شعيب	**Date : 14/04/2013**
Prof. Dr. :	**Pat. Age 3 Y**

DIGITAL EEG

* ***Digital EEG record for asleep child (Chloral hydrate) was done under standard conditions. The EEG tracing revealed:-***

* *Background activity of theta waves bilaterally synchronous and symmetrical.*

Sleep spindles and vertex waves were seen throughout tracing which is normal finding in second stage of sleep.

* *Evidence of paroxysmal generalized spike wave complexes.*

CONCLUSION:

* ***Digital asleep EEG record revealed primary generalized epilepsy.***

Patient M. Choueib Normal EEG after ASCT

Pat. Name; محمد خالد شعيب	Ref. Phy.
Study Date: 15/06/2013	

DIGITAL EEG

* ***Digital EEG record for asleep child (Chloral hydrate) was done under standard conditions. The EEG tracing revealed:-***

* *Background activity formed of theta waves, bilaterally synchronous and symmetrical.* ***Sleep spindles and vertex waves were seen throughout tracing which is a normal finding in second stage of sleep.***

* *No focal or generalized epileptogenic discharges can be detected during tracing.*

CONCLUSION:

* ***Digital EEG sleeping record is within normal limits.***

Liver Failure: Before and after ASCT

‘Regeneration is a Process not an Event’

Dr. Nassim Abi Chahine