

Curriculum Vitae

Personal data:

Name: Nevin Hammam Osman Hammam

Surname: Hammam

Gender: Female

Date and Place of birth: 1-10- 1979, Assiut, Egypt

Nationality: Egyptian

Marital state: Married

Current address: Rheumatology, Rehabilitation and Physical Medicine
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Current employment:

Lecturer and Clinical fellow at Rheumatology and Rehabilitation Department,
Assiut University, Assiut, Egypt

Languages:

- Arabic: Native language
- English: (TOFEL test score equivalent to 543 paper based test)
- Germany: A2 level
- French: A1 level

Qualifications:

QUALIFICATIONS ATTAINED

Qualification Attained: **MBBCH** (Bachelor of Medicine, Bachelor of Surgery)

Date of Issue: 19/02/2003

Degree: Excellent with honor

Institution: Faculty of Medicine - Assiut University – Egypt

Qualification Attained: **Master** degree of Rheumatology and Rehabilitation

Date of Issue: 24/06/2007 Degree: Excellent

Title of thesis: "The Use of Anti-Tumor Necrosis Factor in Rheumatic Diseases"

Institution: Faculty of Medicine - Assiut University – Egypt

Qualification Attained: **Doctorate** degree of Rheumatology and Rehabilitation

Title of thesis: "Heat Shock Protein 70-Hom Gene Polymorphisms in Rheumatoid Arthritis Susceptibility"

Date of Issue: 20/04/2015

Institution: Faculty of Medicine - Assiut University – Egypt

Freiburg University- Freiburg –Germany

RESIDENCY TRAINING/INTERNSHIP (Chronological Order)

| From | To | Institution | Position & Job Nature |
|----------|------------|-----------------------------------|--|
| 1/3/2003 | 28/2/2004 | Assiut University Hospitals-Egypt | Intern |
| 1/3/2004 | 17/03/2007 | Assiut University Hospitals-Egypt | Rheumatology and Rehabilitation Resident |

CLINICAL APPOINTMENTS (Chronological Order)

| From | To | Institution | Position & Job Nature |
|------------|----------|-----------------------------------|-----------------------|
| 15/07/2007 | Till now | Assiut University Hospitals-Egypt | Clinical fellow |

ADMINISTRATIVE & ACADEMIC APPOINTMENTS

| From | To | Institution | Position & Job Nature |
|------------|------------|--|--|
| 18/03/2007 | 14/07/2007 | Faculty of Medicine-Assiut University-Egypt | Rheumatology and Rehabilitation Demonstrator |
| 2/10/2005 | 13/09/2006 | Wake Forest Institute for Regenerative Medicine (WFIRM), NC, USA | Research Fellow |
| 03/11/2009 | 20/04/2010 | Clinical Research Unit of Rheumatology, Freiburg University, Germany | DAAD Research Fellow |
| 15/07/2007 | 20/04/2015 | Assiut University Hospitals-Egypt | Assistant lecturer |
| 21/04/2015 | Till Now | Assiut University Hospitals-Egypt | Lecturer |

MEDICAL LICENSES

| Date of Issue | Date Expire | Institution | License No. |
|---------------|-------------|--|-------------|
| 03/03/2004 | --- | Ministry of Health - Egypt | 154011 |
| 26/11/2008 | 20/04/2015 | Egyptian Medical Syndicate- Rheumatology, Physical medicine and Rehabilitation Specialist | 1005 |
| 21/04/2015 | Till Now | Egyptian Medical Syndicate- Rheumatology, Physical medicine and Rehabilitation Consultant | |

Society Memberships:

1. American College of Rheumatology
2. Membership of Egyptian Medical Syndicate
3. Egyptian Society for Rheumatology & Rehabilitation (division of the Egyptian Medical Association)
4. Tissue Engineering and Regenerative Medicine Society
5. The Egyptian Society for Joint diseases & Arthritis
6. Egyptian Osteoporosis Prevention Society

Research Interests:

- Tissue Engineering- Stem cells- Immunology
- Synovial fluid and tissue pathology

Research experience:

- Cell culture
- Numerous analytical methods including histo- and cytochemistry
- Western Blotting and Polymerase Chain Reaction (PCR) analysis
- Genetic sequences analysis
- The use of electron microscopy
- Skeletal muscle extracellular matrix regeneration
- Engineering functional skeletal muscle
- Small animal procedures

- Synovium and synovial fluid analysis and histopathology

Clinical Experience:

1. Diagnosis and management of different rheumatologic diseases
2. Musckeloskeletal Ultrasonography
3. Synovial fluid aspiration and analysis under polarized microscopy
4. Synovial tissues biopsy technique and analysis (mini invasive with needle) under guidance
5. Joint and soft tissues injection
6. Observer for clinical activities (Cerebral Palsy in children chemical denervation using botulinum toxin and phenol) for 1 year in Rehabilitation center, Wake Forest University, Winston Salem, NC (2005-2006)
7. Rehabilitation of different neurological and sport deficits
8. Obesity and nutritional management

Fellowships:

- Fellow at Rheumatology Department and Wake Forest Institute for Regenerative Medicine, Winston Salem, NC (2005-2006)
- DAAD Research Scholar (November 2009 - April 2010), Clinical Research Unit of Rheumatology, Freiburg University, Germany
- Travel grant fellowship at Musculoskeletal Disease, Leeds University, Leeds, UK (November 2014)
- Clinical fellow at Rheumatology and Rehabilitation Department, Assiut University, Egypt

Publications:

- Extracellular matrix derived from skeletal muscle tissue enhances the proliferation and differentiation of myogenic progenitor cells ex vivo. Stern MM1, Myers RL, **Hammam N**, Stern KA, Eberli D, Kritchevsky SB, Soker S, Van Dyke M. Biomaterials, 2009 April; 30(12):2393-9
- Tissue-specific extracellular matrix coatings for the promotion of cell proliferation and maintenance of cell phenotype. Zhang Y, He Y, Bharadwaj S, **Hammam N**, Carnagey K, Myers R, Atala A, Van Dyke M. Biomaterials. 2009 Aug; 30 (23-24):4021-8

- Polymorphism of Heat Shock Protein (HSP) 70-Hom Gene In Rheumatoid Arthritis (RA) Patients. Eman A M Alkady, Essam A M Abda, Sonya M Rashad, **Nevin Hammam**, Inga Melchers. Egyptian Rheumatology & Rehabilitation. 2011 April; 38: 283-94
- Engineered Smooth Muscle from Adipose tissue Derived Stem Cells for Treatment of Muscle Dysfunction in rheumatic Diseases. **Hammam N**, Orabi H, Tom F. Lue. Rheumatology, February 2012; 51 (suppl 1)
- Human Adipose Derived Stem Cells as an Alternative Source of cellular Repair for Vascular Dysfunction in Systemic Sclerosis. **Hammam N**, Orabi H. Arthritis & Rheumatism, October 2012; 64
- Hand Grip Strength as Simple Predictor of Disease Activity and Disability in Patients with Juvenile Idiopathic Arthritis. Ahmed Rashed, Noha Abdel-Wahab, **Nevin Hammam**. Accepted presentation for EULAR 2014 in Paris and will be submitted as full article to journal of international Rheumatology
- Fatigue, Sleep Quality, Mood Disturbances and Disease Activity in Rheumatoid Arthritis Patients; Are They Correlated? **Nevin Hammam**, Accepted presentation for BMJD 2015 in Montreal, Canada
- Correlation between Ocular Surfaces Abnormalities and Disease Activity in Rheumatoid Arthritis. **Nevin Hammam**, Accepted presentation for BMJD 2015 in Montreal, Canada
- Analysis of Ultrasound Knee Findings in Different Rheumatic Diseases in Egyptian Patients. **Nevin Hammam**. Accepted presentation for BMJD 2015 in Montreal, Canada.
- Assessment of the Metabolic Syndrome in Systemic Lupus Erythematosus and its Associated Factors. **Nevin Hammam**. Accepted presentation for EULAR 2015 in Italy.

Presentations:

- WFIRM seminar: Dystrophin expression in Muscles of Duchenne Muscular Patients after High-Density injections of Normal Myogenic Cells.
- Rheumatology and Rehabilitation Department seminars (Assiut

University) including Neuropsychiatric lupus, Pathogenesis of lupus nephritis, Cerebral Palsy, Musculoskeletal Examination, Hepatitis C Related Arthritis, Pregnancy and rheumatic diseases, Synovial Fluid Analysis, Planter Fasciitis, Raynaud Phenomenon, Management of Osteoarthritis and T-Cell development in Immunology.

- 12th Egyptian-French Seminar of Immunology & Molecular Biology, Mansoura Faculty of Medicine "Extracellular matrix derived from skeletal muscle tissue enhances the proliferation and differentiation of myogenic progenitor cells ex vivo"
- Excellence in Rheumatology (EiR) 2012: Engineered Smooth Muscle from Adipose tissue Derived Stem Cells for Treatment of Muscle Dysfunction in rheumatic Diseases.
- American College of Rheumatology (ACR) 2012: Human Adipose Derived Stem Cells as an Alternative Source of cellular Repair for Vascular Dysfunction in Systemic Sclerosis.
- 33rd Egyptian Society for Joint Diseases and Arthritis, 2013, Scleritis: Case Presentation
- The European League against Rheumatism (EULAR) 2014: Hand Grip Strength as Simple Predictor of Disease Activity and Disability in Patients with Juvenile Idiopathic Arthritis.

Duties:

- Teaching under graduate medical students clinical rounds and clinical skills
- Teaching graduate students along the house officer training program at our department
- Helping in the achievement of goals of the residency program of training along the 3 years of residency
- Helping in the research program held at our department with colleagues and professors
- Outpatient clinic of Rheumatology and Rehabilitation (dealing with about 150 patients per month)

- Performing and assisting in intra-articular aspiration and injection
- Musculoskeletal Ultrasound (one day a week) at ultrasound unit of our department
- Musculoskeletal Ultrasound guiding synovial fluid aspiration and synovial tissues biopsy
- Neurophysiologic Study (one day a week) at our department unit

Ongoing Research:

- Synovial Fluid Cytology in Hepatitis C Arthropathy
- Cardiac Assessment and Metabolic Syndrome in Systemic lupus Erythromatosus Patients
- Correlation of Cardiovascular and Depression in Systemic lupus Erythromatosus Patients
- Relation of Fatigue, IL-6 and relation to Disease Activity in Rheumatoid Arthritis
- Skin Sympathetic Reflex in Rheumatoid Arthritis and Systemic Lupus Patients
- Paraneoplastic Rheumatic Disease among Cancer patients in Assiut University Hospital
- Diagnostic and Classification Criteria in Vasculitis Study (DCVAS): multicenter international ACR/EULAR observational study.

Continuing Medical Education:

CONFERENCES AND MEETINGS:

- TERMIS-NA meeting, Pittsburgh 2006
- International meeting of Society of Biomaterials, Pittsburgh 2006
- Attendance of the 6th Pan Arab Conference for Rheumatology (March 2007)
- 12th Egyptian-French Seminar of Immunology & Molecular Biology, Mansoura Faculty of Medicine (Dec. 2008)
- 8th Pan Arab Conference for Rheumatology (March 2009)

- 32nd Egyptian Society for Joint Diseases and Arthritis (February, 2010)
- American Academy of Pediatrics (AAP) (October 2010), San Francisco, USA
- Excellence in Rheumatology (EiR) (January 2012), Madrid, Spain
- American College of Rheumatology (ACR) (November 2012), Washington DC, USA
- 33rd Egyptian Society for Joint Diseases and Arthritis (February, 2013)
- 1st Egyptian Leagues Against Rheumatism (ELAR) (April 2013), Alexandria, Egypt
- The European League against Rheumatism (EULAR) 2014, Paris, France
- Bone, Muscle and Joint Diseases (BMJD) 2015, Montreal, Canada

COURSES:

- Cerebral Palsy: Management of Spasticity, North Carolina 2006
- International Musckeloskeletal Ultrasound workshop 2008
- Pediatric Rheumatology workshop, Assuit 2009
- Harvard Medical School, CME online courses for education, 2009
- New Applications for PCR workshop, Assiut, 2013
- Muskeloskeletal Ultrasound of Upper Limb workshop 2015

Grants:

- Travel Grant to Excellence in Rheumatology, 2012 Madrid, Spain
- Assiut faculty grant for Prevalence and Genetic Susceptibility of Paraneoplastic Rheumatic Syndrome among Patients with Solid Tumor, 2013
- Assiut faculty grant for stem cells and regenerative medicine, 2013
- Travel Fellowship from Academy of Medical Science in Leeds, UK, 2014

Awards:

- DAAD (Deutscher Akademischer Austauschdienst) Research Scholarship award , 2009

- Travel bursary to EULAR 2014, Paris.
- ACR, Rheumatology Research Workshop scholarship 2015 in San Diego, CA.

References:

- Prof. Dr **Paul Emery, MA, MD, FRCP**

Professor of Rheumatology, Director, Leeds Institute of Rheumatic and Musculoskeletal Medicine University of Leeds. Director, Leeds Musculoskeletal Biomedical Research Unit. Leeds, UK

- Prof. Dr **Nilamadhab Mishra, MD**

Assistant Professor in Internal Medicine, Section on Rheumatology and Immunology. Wake Forest University School of Medicine, Winston Salem, North Carolina, USA. Phone 336-716-6573

- Prof **Inga Melcher, PhD**

Clinical Research Unit for rheumatology, University Medical Center Freiburg
Zentrale Klinische Forschung; 79106 Freiburg, Germany.
Phone: 761 270 6217 Fax: 761 270 6218

- Prof. Dr **Sonya M. Rashad, MD**

Professor of Physical Medicine, Rheumatology and Rehabilitation, Assiut University Hospital. Phone: 088-2321314 Fax: +2 088 333327

- Prof Dr **Nihal A Fathi, MD**

Professor and Head of Physical Medicine, Rheumatology and Rehabilitation, Assiut University Hospital. Phone: 088-2311549 Fax: +2 088 333327

- Prof. Dr **Kathleen Kolaski, MD**

Department of Orthopedic Surgery, Wake Forest University School of Medicine, Winston Salem, North Carolina, USA

- Prof. Dr **Anthony Atala, MD**

Director, Wake Forest Institute for Regenerative Medicine, Wake Forest University, Winston. Salem, North Carolina, USA. Phone: 336 -713- 7293, Fax: 336- 713-7290

- Prof. Dr **James Yoo, MD, PhD**

Associate Professor and Assistant Director, Wake Forest Institute for Regenerative Medicine. Phone: 336 -713- 7293 Fax: 336- 713-7290