



## Benghazi University

### Curriculum Vitae (CV)

**First Name:** Naeima Mohamed

**Qualification:** PhD

**Major:** Conservative/Adhesive Dentistry

**Faculty:** Faculty of Dentistry  
Endodontics

**Phone Number:** 0926947214

**na\_bet@yahoo.co.uk**

**First Language:** Arabic

**Second Language:** English

**Surname:** Betamar

**Country of Study:** United Kingdom

**Year of Award:** 2007

**Department:** Conservative Dentistry and

**Email:** [nabetamar@gmail.com](mailto:nabetamar@gmail.com) &

**Scientific Degree:** Assistant Professor

**Computer Skills:** Very good

#### Qualifications:

Degree	Year of Award	Affiliation Institution	Major
Bachelor of Dental Surgery ( <b>B.D.S</b> )	1990	Dental Faculty, Al-Arab Medical University, Benghazi, Libya	Dentistry
Master of Medical Science ( <b>M.Med.Sci</b> )	2004	School of Clinical Dentistry, Sheffield University, UK	Restorative Dentistry
Doctor of Philosophy ( <b>PhD</b> )	2007	School of Clinical Dentistry, Sheffield University, UK	Conservative/Adhesive Dentistry

## Experience:

Job Nature	Employer Name	From	to
Clinical Lecturer/Assistant Professor at Department of Conservative Dentistry and Endodontics	Faculty of Dentistry, University of Benghazi	2008	up-to-date
Quality Assurance Coordinator of the Faculty of Dentistry	Faculty of Dentistry, University of Benghazi	2016	up-to-date
Part-time Clinical Lecturer and Specialist in Restorative Dentistry Department	The Dental School at the Libyan International Medical University	2015	up-to-date
Quality Assurance Member of the Department	Faculty of Dentistry, University of Benghazi	2010	2012
Visiting lecturer and External examiner to various Libyan Dental Faculties	Dental Faculties of Tripoli, Sirt and Sebha Universities.	2009	2011
Clinical tutor for the 2 <sup>nd</sup> and 3 <sup>rd</sup> BDS students in clinical skills laboratory, and in the clinics of the restorative dentistry department.	School of Clinical Dentistry, Sheffield University, UK.	2005	2007
PhD degree at department of restorative dentistry (Adhesive Dentistry).	School of Clinical Dentistry, Sheffield University, UK.	October 2003	July 2007
Master (M.Med.Sci), taught course included treatment of a wide variety of patients whom needed comprehensive range of advanced clinical procedures with the focus on adhesive restorative dentistry.	School of Clinical Dentistry, Sheffield University, UK.	September 2002	September 2003
Clinical Demonstrator/Instructor in Conservative Dentistry and Endodontics Department	Dental Faculty, Al-Arab Medical University, Benghazi, Libya	January 1999	February 2002
Full-time General Dental Practitioner at the 7 <sup>th</sup> of October Hospital, dental department	7 <sup>th</sup> of October Hospital, Ministry of Health	January 1992	December 1998
Pre-registration Internship	Faculty of Dentistry, Al-Arab Medical University, Benghazi, Libya	November 1990	October 1991

## **Publications:**

### **Books**

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### **Research Papers**

#### **Papers Published in International and Local Journals**

1. N. Betamar, G. Cardew and R. van Noort. "Influence of Specimen Designs on the Microtensile Bond Strength ( $\mu$ TBS) to Dentine" J Adhesive Dentistry, 2007; 9(2):159-168.
2. N. Betamar, G. Cardew and R. van Noort. "The Effect of Variations in Hourglass Specimen Designs on the Microtensile Bond Strength ( $\mu$ TBS) to Dentine" J Adhesive Dentistry, 2007; 9(5):427-436.
3. N. Betamar. "Effect of Multiple Coat Applications of Single-Step Self-Etching Adhesive on Microtensile Bond Strength ( $\mu$ TBS). Cairo Dental J, 2011; 27(1)
4. Naeima Betamar and Rupal Shah. "Finite Element Analysis: it's Application in Dentistry. Sebha Medical J, 2011; 10(1).

#### **Publications Presented at Scientific International Conferences (Selected):**

- 1) E.M. Ashworth, N. Betamar, C. Deery, C.A. Miller and N. Martin. "Adherence of silica nanoparticles to acid-affected and non-fixed collagen". IADR/PER congress, 10-13<sup>th</sup> September, 2014, Dubrovnik, Croatia, Journal of Dental Research, Vol. 93, Special issue C.
- 2) Naeima Betamar, Ian Douglass, Richard van Noort. "Residual Acidity of dentine bonding agents". 88<sup>th</sup> IADR conference & 5<sup>th</sup> IADR Pan European Region. Barcelona-Spain, 14-17<sup>th</sup> July 2010, (abstract no. 32171).
- 3) Naeima Betamar and R. van Noort. "Dentine wettability with different resin adhesive systems". The British and Scandinavian division of the IADR (BSDR/NOF) conference, 2<sup>nd</sup> - 5<sup>th</sup> April 2007, Durham, Newcastle-UK (abstract no. 0155).
- 4) R. van Noort and Naeima Betamar. "Fractography of the adhesive interface of three dentine bonding agents", IADR PEF conference, 13-16<sup>th</sup> September 2006, Trinity College, Dublin-Ireland (abstract no. 0029).
- 5) N. Betamar, G. Cardew and R. van Noort, "The effect of variations in hourglass specimen designs on the microtensile bond strength ( $\mu$ TBS) to dentine". IADR PEF conference, 13-16<sup>th</sup> September 2006, Trinity College, Dublin-Ireland (abstract no. 0780).

- 6) Naeima Betamar, Elahel Ghassemieh and R. van Noort. "Comparison of the outcomes from microtensile bond strength test ( $\mu$ TBS) with those from finite element stress analysis (FEA). The UKSB conference, 21<sup>st</sup> – 22<sup>nd</sup> June 2005, Nottingham-UK (abstract no. 0046).
- 7) N. Betamar, E. Ghassemieh and R. van Noort. "Influence of specimen designs on the microtensile bond strength ( $\mu$ TBS) to dentine. BSDR conference, 5-7<sup>th</sup> April 2005, Dundee-UK (abstract no. 0035).
- 8) N. Betamar, S. Chiaraputt, S. Vachiramom and R. van Noort. "Procedural effects on the microtensile bond strength ( $\mu$ TBS) of self-etching primers to dentine. Annual BSDR conference, 6-8<sup>th</sup> April 2004, Birmingham-UK (abstract no. 0029).

### **Publications Presented at Scientific Local Meetings**

1. N. Betamar & J. El-Swaih "Finite Element Analysis: An Overview" The 2<sup>nd</sup> Dental Scientific Day of the Faculty of Dentistry, 15-16<sup>th</sup> May 2012, University of Benghazi.
2. F. Muttardi, J. El-Swaih & N. Betamar "Comprehensive case history leads to proper management in restorative dentistry: Two Case Report of Unusual Habit. The 2<sup>nd</sup> Dental Scientific Day of the Faculty of Dentistry, 15-16<sup>th</sup> May 2012, University of Benghazi.
3. Suha Al-Fergani, Naeima Betamar & Jamal El-Swaih. "New innovations in restorative dentistry: is it a fact or a myth? Sonic-fill, polymer burs & fender wedges. The 2<sup>nd</sup> Dental Scientific Day of the Faculty of Dentistry, 15-16<sup>th</sup> May 2012, University of Benghazi.
4. Fatma Muttardi, Jamal El-Swaih & Naeima Betamar. The Role of Comprehensive Case History in Operative Dentistry: Two Case Report of Unusual Habit. The 1<sup>st</sup> Libya Annual International Exhibition and Conference. 20<sup>th</sup> - 22<sup>nd</sup> April 2013 Tripoli-Libya.
5. Naeima M. Betamar and Richard van Noort. "Influence of Surface Hydrophobicity on Microtensile Bond Strength of a One-Step Self-Etch Adhesive". The 3<sup>rd</sup> Dental Scientific Day of the Faculty of Dentistry 6-7<sup>th</sup> February, 2016, University of Benghazi.

## **Institutional Memberships**

- 1) The Libya Dental Syndicate.
- 2) The International Association of Dental Research (IADR).
- 3) The British Society of Dental Research (BSDR).
- 4) The UK Society of Biomaterials (UKSB).

## **Fourth: Research Interests**

- I) Adhesive Dentistry: Evaluation of the interfacial adhesive bonded interface between adhesive materials and tooth structure (Enamel and Dentine).
- II) Microtensile bond strength testing methods to enamel and dentine.
- III) Influence of various specimen design's on the microtensile bond strength to dentine.
- IV) Modelling and Finite Element Stress Analysis (FEA).
- V) Antibacterial properties of dentine bonding agents.
- VI) Remineralization of partially demineralized dentine using nanoparticles.
- VII) Caries Research

## **Courses and Activities (selected):**

- Attended regularly (from 2002-2007) a one day course and workshop known as "postgraduate day", held annually at school of clinical dentistry, Sheffield University. The course included lectures and workshops given by invited speakers and professionals from the UK and European Universities.
- Regular lectures and practical sessions on "finite element stress analysis" during 2003-2006, given by Dr G. Cardew, engineering department, Sheffield University, UK.
- Enamel/dentine bonding systems. A review of systems and evaluation methods. Given by professor Van Meerbeek, November, 2004, held at Sheffield University.
- "How to write a thesis", a 3 hours' workshop. May 2006. Organized by the graduate research office, Sheffield University, UK.
- "Preparation for Viva", a 3 hours' workshop. June 2006. Organized by the graduate research office, Sheffield University, UK.
- "Cariogram concept course", 2-8 August 2009, held at faculty of dentistry, Benghazi, Libya. Collaboration of Malmo University-Sweden. Given by Professor Hani Shams Edin.

- **“Concept of occlusion”** a 4 days course, April 2010. Held at faculty of dentistry, Benghazi-Libya. Given by professor Mohsen Abi-Elhassan.
- **“Using laser technique in dentistry”** a day lecture and clinical demonstration, 25<sup>th</sup> March, 2010. Given by head of laser research unit, Ajman University, UAE. Held at faculty of dentistry, Benghazi-Libya.
- **“The concept of quality assurance and its application in the educational institute”**, a 3 days course and workshop, February 2<sup>nd</sup>-4<sup>th</sup> 2010. Al-Arab Medical University.
- **“Libyan leadership institute”** a course and workshop, January 5-12<sup>th</sup> 2012. Given by Silk Road Solutions, held at Benghazi Medical Centre. Organized by health affairs office, Benghazi council.
- **“Quality assurance & accreditation academic visit”** a 7 days visit to Omer Al-Moktar University, April 2013. I was among a group of academic lecturers & professors from a variety of Libyan Universities as a part of quality assurance & accreditation Scheme.