

The Pandemic and Crisis's Economic Impact on orthodontic Practices in Libya. Is there any effect?

Dr.med.dent. MSc. PHD

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Orthodontic treatment in Libya is totally privately covered by the patients as there is no health insurance which cover the dental as well as orthodontic health service.

There is an increase demand for orthodontic treatment especially among adult patients. Libya went through different periods of crisis starting from the war, which lasted for more than seven years until 2016 and after that the endemic of COVID-19 starting from 2019 till now. This all crisis has affected the financial status of that Libyan people. However there are consequences of the crisis where the patient would not be able to cover the cost for their treatment when needed.

During this presentation there will be an explanation about the effect of the crisis on the flow of patients to the orthodontic practice and some of the procedures, which were taken to reduce the cost for the treatment with a reasonable outcome. Some cases will be presented where simple techniques were used just to overcome the extra cost of the treatment.

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PERSONAL PROFILE

I am a professor in Orthodontics, chairmann of department of orthodontics at the Faculty of dentistry, Benghazi University - Libya. The coordinator of postgraduate program in orthodontics. President of Libyan orthodontic society. A fellow at world federation of orthodontics.

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Personal details

- Date of Birth: 2/09/1972
- Gender: Female
- Nationality: Libyan
- Marital Status: married

ACADEMIC BACKGROUND

2006
Munich/Germany

Bavarian Dental Council,

- **(Fachärztin Kieferorthopädie)**
Specialist of Orthodontics

2004 - 2006

University of Bonn, Germany

- **Dissertation (Doctor Arbeit)**
Titled (Experimental and numerical investigation of mini implants used for orthodontic anchorage)

2005 - 2006
Regensburg/Germany

University Of Regensburg,

- **Postgraduate Training Program,**
Orthodontic Dep.

2003 - 2005
Practice, Bonn/Germany

Praxis Dr. Niehuss, Private

- **Orthodontic Training**
(postgraduate program)

2004 - 2006

Danube University, Krems/Austria

- **MSc (Master of Science) in**
Orthodontics, Postgraduate

2002 - 2003
Düsseldorf/Germany

Goethe institute

- **German Language Course,**
Advanced

1991 - 1995
Benghazi/Libya

Faculty Of Dentistry

- **B.D.S First in her group (general**
grade very good)

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Membership

- Libyan orthodontic Society (President).
- German Orthodontic Society.
- Arab Orthodontic Society.

Research interest

- Biomechanics.
- Root resorption.
- Cleft lip and palate

Languages

Arabic
English
German
Speaking Italian

Work Experience

- | | |
|---|--|
| 2007 till present
Benghazi/Libya (private practice) | Benghazi Dental Centre
➤ Practice of Orthodontics |
| 2007 till present | Faculty Of Dentistry Benghazi/Libya
➤ Teaching staff at department of orthodontic |
| 1997 - 2000
Benghazi/Libya. | Conservative Department
➤ Senior House Officer in the faculty of dentistry. |
| 1999 - 2000
Benghazi/Libya (private practice)
General Dental Practitioner | Benghazi Dental Centre |

Publications

- ✓ Rahimi, L. Keilig G. Bendels, R. Klein, T.M. Buzug, I. Abdelgader, M. Abboudkand C. Bourauel, 3D Reconstruction of dental specimens from 2D histological images and μ CT-Scans computer. Method
- ✓ in Biomechanics and Biomedical Engineering Vol. 8, No. 3, June 2005, 167–176
- ✓ Stahl, Eva; Keilig, Ludger; Abdelgader, Iman; Jaeger, Andreas; Bourauel, Christoph. Numerical Analyses of Biomechanical Behavior of Various Orthodontic Anchorage Implants. Journal of Orofacial Orthopedics/Fortschritte der Kieferorthopad;Mar2009, Vol. 70 Issue 2, p115
- ✓ Iman Abdelgader, Radika Admala and Garima Sharam. Comparison of manual and computerized lateral cephalogram tracing. Ain shams dental journal march 2013
- ✓ Abdelgader I, Jäger A and Bourauel C, The effect of variation of orthodontic Temporary anchorage devices dimensions on their stability. Part I: an experimental study. Ain shams journal December 2012

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Courses

- 2002 German language course
Dusseldorf Germany
- 2004 2006 during postgraduate
more than 20 courses in
orthodontic in different institutes
in Germany
- Update in orthodontic
mini implants; Pre-
congress course. 18
september 2013
German orthodontic
society congress
Saarbruecke,
Germany.
- Spss work shop for data analysis
; Libyan orthodontic society 1-3
october 2013.
- Dental photograph
work shop; German
orthodontic society
congress 22 september
2013, Saarbrueck,
Germany.
- 2020 clear aligner
therapy, Jedda - Saudi

References :

Prof Christoph Bourauel

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bourauel@uni-bonn.com

prof. jouseph Bousarhal

world federation of orthodontics

Bairut Lebanon

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jbs.orthodontics@gmail.com

- ✓ Abdelgader, Compromised orthodontic treatment of cleft lip and palate patient with microdontia. Ain shams dental journal December 2014
- ✓ Iman Abdelgader, Fatma Fenesha,,Hawa El-Moadab and Marwan Elomami. Impact of Malocclusion On The Daily Performance Of Libyan Dental Students. Libyan dental journal July 2014.
- ✓ Iman abdelgader, Bourauel Christoph, Sussana Rheiman, Volumetric Evaluation of resorption lacuna after the insertion of different orthodontic wire sequence. Poster presentation. World orthodontic congress. London-UK 2015.
- ✓ tooth Size Discrepancies in Libyan Class I and II Orthodontic Patients Cross Sectional Retrospective Study I Abdelgadern Journal of advanced research In dental and Oral Health 2 (3), 12-16 2020
- ✓ Pain Perception among Orthodontic Patients in BENGHAZI City. Wisal Elfergani .Iman Abdelgader International Journal of Current Medical Science and Dental Research 2020

Congresses

2020
orthodontic society

Arab orthodontic society and Saudi

2016, 2017, 2018
orthodontic society Annual meeting

congress chair person of Libyan

2016
London/UK. Poster presentation.

World Orthodontic Congress

2014
congress, Cairo/Egypt

Egyptian Orthodontic Society

2013
Congress, Saarbruecke/Germany

German Orthodontic Society

➤ Poster Presentation, Bolton
discrepancy among Libyan adult
orthodontic patients

2012
Burnmouth/UK.

British Orthodontic Society Congress

➤ Poster Presentation,
Experimental and
finite element
analysis of mini

➤ Libyan adult
orthodontic
patient
discrepancy
among Libyan
Class I and II
malocclusion