

## Curriculum Vitae

**Name:** Joseph Zacharias  
**Work Address:** 300 20th Ave North  
Suite 100  
Nashville, TN 37203  
**Phone:** 615-329-4401  
**Email:** jzacharias@tnosi.com  
**Place of Birth:** Green Bay, Wisconsin

### Education

08/2008- 05/2012	B.S. <i>summa cum laude</i>	Major: Biology Minors: Business Management and Biochemistry	Carroll University
08/2012- 05/2016	DDS <i>Class Rank: 1/80</i>	Dentistry	Marquette University School of Dentistry
08/2016- 05/2019	MD	Medicine	Harvard Medical School

### Postdoctoral Training

07/01/16- 06/30/22	OMFS Resident	Oral and Maxillofacial Surgery	Massachusetts General Hospital
06/12/19- 06/30/2021	General Surgery Resident	General Surgery	Massachusetts General Hospital

### Professional Societies

08/2011	Phi Kappa Phi National Honor Society		
08/2012- 05/2016	American Student Dental Association 06/2013-05/2016	Class Representative	
08/2012-05- 2016	Wisconsin Dental Association		
10/2013- 10/2015	Student Research Group 10/2013-10/2015	Class Representative	
09/2014-	American Dental Education Association		

05/2016

06/2016-  
Present American Association of Oral and Maxillofacial Surgeons

06/2016-  
Present Resident Organization of the American Association of Oral and Maxillofacial Surgeons

07/2022-  
Present Tennessee Dental Association

### **Honors and Awards**

05/2010	Academic All-Conference	The Midwest Conference	NCAA Men's Division III Baseball
12/2012- 05/2015	Dean's List Academic Honors	Marquette University School of Dentistry	Academic GPA above 3.5
10/2013	Goeckermann Scholarship	Marquette University	Academic GPA above 3.5
10/2013	Marquette University Dental Scholarship	Marquette University	Academic GPA above 3.5
07/2014	Lord's Dental Studio Scholarship Award	Marquette University	One of two students selected from third year class
10/2014, 10/2015	Midwest Dental Scholarship	Marquette University School of Dentistry	Academic GPA above 3.5
01/2015	Milwaukee Odontological Academy Honor	Milwaukee Odontological Academy	4.0 GPA in all basic science courses
04/2015	Second Place Award, Predoctoral Research Day Poster Competition	Marquette University School of Dentistry	Poster presentation
04/2015	Dr. William S. Kramer Award of Excellence	Omicron Kappa Upsilon	One student from the third-year class selected on the basis of scholarship, character, and potential promise for the advancement of dentistry

10/2015	George C. Wussow Scholarship	Marquette University School of Dentistry	One student chosen based on commitment to the study and practice of oral surgery
05/2016	Award for Excellence in Academic Achievement	Alpha Omega International Dental Fraternity	Graduation with highest academic standing
05/2016	Dental Implant Student Award	American Association of Oral and Maxillofacial Surgeons	Outstanding achievements and performance related to the placement of dental implants
05/2016	The International Congress of Oral Implantologists Pre-doctoral Student Achievement Award	The International Congress of Oral Implantologists	Recognition of interest and commitment to oral implantology and implant dentistry

## **Report of Funded and Unfunded Projects**

05/2011-02/2012	<p>Economic and ecological trade-offs over six years of a long-term buckthorn removal experiment.  Pioneer Scholar Research Award  Co-Investigator; PI: Eric Thobaben, Ph.D.  The major goal of this study was to determine the most effective method of eradicating buckthorn in terms of cost and ecological impact.</p>		
09/2014-03/2015	<p>Immunohistochemical Expression of Growth Hormone in Patients with Mandibular Condylar Hyperplasia.  Marquette University School of Dentistry Student Research Award  Co-Investigator; PI: Luis E. Almeida, DDS, M.S., Ph.D.  The major goal was to determine the possibility of excess human growth hormone as an etiologic factor in the development of condylar hyperplasia.</p>		
09/2014-03/2015	<p>Immunohistochemical Analysis of IL-1 in the Disks of Patients with Temporomandibular Joint Dysfunction.  Marquette University School of Dentistry Student Research Award  Co-Investigator; Luis E. Almeida, DDS, M.S., Ph.D.  The major goal was to determine if there is increased expression of IL-1 receptor type I in the disks of patients with TMJ dysfunction.</p>		
01/2016-05/2016	<p>Immunohistochemical Analysis of IL-1 Receptor Type II and IL-1 Receptor Antagonist in the Disks of Patients with Temporomandibular Joint Dysfunction.  Funded by Marquette University School of Dentistry  Co-Investigator; Luis E. Almeida, DDS, M.S., Ph.D.</p>		

The major goal was to determine if there is a difference in expression of IL-1 receptor type II and IL-1 receptor antagonist in patients with Temporomandibular Joint Dysfunction as compared to normal controls.

## **Report of Local Teaching and Training**

### **Teaching of Students in Courses**

08/2010- 07/2011	Tutor – Introductory Physics, Principles of Chemistry, and Organismal Biology	Carroll University
	Undergraduate Students enrolled in Introductory Physics, Principles of Chemistry, or Organismal Biology	6 hours per week during the fall, spring, and summer semesters
08/2011- 05/2012	Physics Supplemental Instruction Program	Carroll University
	Undergraduate Students enrolled in Introductory Physics	10 hours per week during the fall and spring semesters
08/2011- 08/2012	Introductory Physics Lab Assistant	Carroll University
	Undergraduate Students enrolled in Introductory Physics Lab	3 hours per week during the fall and spring semesters

## **Report of Education of Patients and Service to the Community**

### **Activities**

06/2012, 06/2013, 06/2014	WDA Mission of Mercy / Volunteer Mission of Mercy provides free dental care to those in need. I also assisted with the set up of the event and with procedures in radiology and oral surgery.
01/2013, 01/2014, 01/2015	Give Kids a Smile-Marquette University School of Dentistry / Volunteer Provided oral health screenings for local underprivileged youth.
04/2014	City on a Hill Health Clinic Provided oral health care education and resources for access to dental care for economically disadvantaged families within Milwaukee, WI.
10/2014	Head Start Dental Day, Marquette University School of Dentistry / Volunteer Provided oral health screenings for underprivileged children under the age of five that are enrolled in Milwaukee’s Head Start program.

## **Report of Scholarship**

## **Publications**

Almeida LE, **Zacharias J**, Pierce S. Condylar hyperplasia: An updated review of the literature. Korean J Orthod. 2015 Nov;45(6):333-340. PMID: 26629479.

Almeida LE, Pierce S, **Zacharias J**, Cullinan W, Noronha L, Olandoski M, Tramontina V, Loreto C, Leonardi R. Immunohistochemical analysis of IL-1 beta in the discs of patients with temporomandibular joint dysfunction. Cranio. 2017 Jul; 35(4):233-237. PMID: 27415587.

**Zacharias, J.**, McCain, J., Curtin, H., Wang, J., & Hakim, M. (2022). Extravasation of irrigant to the parapharyngeal space during temporomandibular joint (TMJ) arthroscopy requiring prolonged intubation: a case report and review of the literature. Journal Of Oral And Maxillofacial Anesthesia.

## **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings**

Pierce S, Almeida L, **Zacharias J**: Immunohistochemical Expression of IL-1 in the Disks of Patients With Temporomandibular Joint Dysfunction. 2015 IADR/AADR/CADR General Session, Boston, MA, March 13, 2015.

**Zacharias J**, Almeida L, Pierce S: Immunohistochemical Expression of Growth Hormone in Patients With Condylar Hyperplasia. 2015 IADR/AADR/CADR General Session, Boston, MA, March 14, 2015.

Pierce SS, **Zacharias JR**, Almeida LE, Leonardi R: Immunohistochemical Expression of IL-1 in the Disks of Patients with Temporomandibular Joint Dysfunction. Marquette University School of Dentistry Research Day Poster Session, Milwaukee, WI, April 13, 2015.

**Zacharias JR**, Almeida LE, Pierce SS, Leonardi R: Immunohistochemical Expression of Growth Hormone in Patients with Mandibular Condylar Hyperplasia. Marquette University School of Dentistry Research Day Poster Session, Milwaukee, WI, April 13, 2015.

Pierce SS, **Zacharias JR**, Almeida LE, Leonardi R: Immunohistochemical Expression of IL-1 in the Disks of Patients with Temporomandibular Joint Dysfunction. AAOMS Research and Education Conference, Rosemont, IL, May 6, 2015.

**Zacharias JR**, Almeida LE, Pierce SS, Leonardi R: Immunohistochemical Expression of Growth Hormone in Patients with Mandibular Condylar Hyperplasia. AAOMS Research and Education Conference, Rosemont, IL, May 6, 2015.

**Zacharias J**, McCain J, Wang J: Extravasation Of Irrigant To The Parapharyngeal Space During Temporomandibular Joint Arthroscopy. The Anesthesia Annual Meeting, October 21, 2019.