



INDIANA UNIVERSITY
SCHOOL OF DENTISTRY
Oral and Maxillofacial Surgery & Hospital Dentistry

Inside IU OMFS



Mission:

To excel in patient care, teaching, and education while promoting research and community engagement throughout Indiana and beyond.

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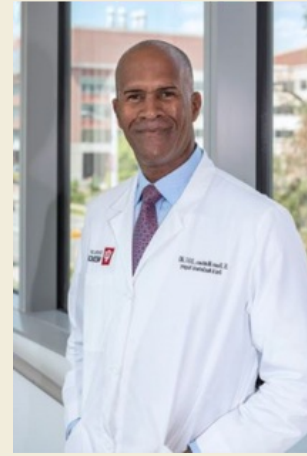
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Letter from the Chair

Dear Colleagues,
It has been nearly 3 years since I was given the

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immense honor of being named Chair of the Department of Oral and Maxillofacial Surgery and Hospital Dentistry. It is therefore with great pride that I reflect on the many successes we have achieved since I last reached out to you.



Our department is in a good place and our residency program continues to thrive. Our residents consistently hit their sedation targets well in advance of their June graduation date and we have expanded

our sedation services to our dental school clinic for the first time in our history. Thanks to your generosity in donating to our program, our residents have been able to source educational opportunities locally, regionally, and nationally and in so doing, have delivered multiple conference presentations on a range of surgically related topics, mentored by our exceptional faculty.

As alumni of the OMFS program, I hope that many of you will continue to reflect on the positive experiences of your time spent in Indianapolis during your OMFS training and appreciate the numerous changes we have made as we attempt to reach our stated goal of being one of the top 5 four-year programs in the country. We are well on our way to achieving this goal and remain quietly confident of surpassing it.

Some of the other highlights include the recruitment of additional full-time faculty:

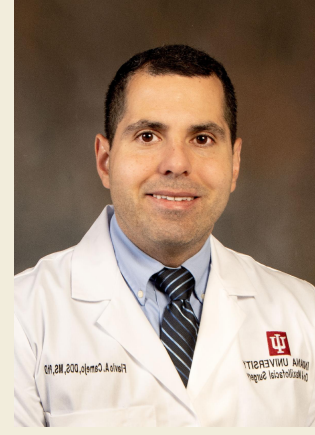
- Dr. Paramjeet Sagoo, our second dedicated cleft/craniofacial surgeon who joined our program one year ago and has already proved herself to be an invaluable member of our team.
- Dr. Christine Downey, who joined us one year ago from the University of North Carolina Adams School of Dentistry and provides critical clinical care for patients with special needs.
- Dr. Flavio De Alcantara Camejo, who joined us from Marquette University School of Dentistry seven months ago and whose principal role is to guide pre-doctoral education. The changes that he has been able to implement in his short time with us have already proved to be a winner.



Dr. Paramjeet Sagoo



Dr. Christine Downey



Dr. Flavio Camejo

Ours is a twelve (12) faculty member strong department which to the benefit of our program boasts a uniquely international flavor. I feel privileged to be a part of this impressive line-up. Additional highlights of the past year include:

- Since August 2023, we have successfully expanded our trauma outreach by taking over the management of maxillofacial trauma at Ascension St. Vincent Hospital; this is the 4th Level 1 trauma center to which we deliver services in Indianapolis alone.
- We have continued to expand our technological footprint to the point where we have fully integrated virtual surgical planning into our orthognathic, trauma and TMJ related procedures.
- Our department continues to lead the hugely successful, multidisciplinary TMJ Institute and works intimately with our Hospital Dentistry and Special Care Dentistry colleagues to manage this challenging cohort of patients.
- Dr. Massimiliano Di Giosia, our dedicated, board-certified orofacial pain and dental sleep medicine specialist continues to grow his clinical practice within the school.
- We continue to lead the charge as the only department consistently offering telehealth consultations in the School of Dentistry.
- We have fully revamped our departmental website, providing detailed, current information to prospective patients, providers, residents, and students on the strength of our program.

And the long list of achievements continues

Finally, as I write this letter, we are about to embark on our next cycle of resident interviews and once again, we have been fortunate to receive a large number of applications for the three positions in our program. This speaks to the popularity of our specialty and the high regard in which our program is held. We continue to be a program on the move, and we ask you to join us by participating in our promising future!

If you are in a position to help, please consider making a gift payable to IU Foundation, designated to the Oral and Maxillofacial Surgery Residency Fund (account # I380008950). With a tax-deductible gift of \$1,000 or more, you will be recognized as a distinguished member of the “Dean’s Society,” of which I am also a member. However, every contribution, regardless of the amount, impacts the future of our program and is gratefully received.

I know that I speak on behalf of the incredible faculty, staff, and particularly our residents, when I say, “a heartfelt thank you for supporting our program.” We could not do it without you. As a department, we remain here to serve you and the Indiana health care community. Through the loyalty and generosity of our alumni, all funds will be used to purchase new equipment focused on technological advancement and patient care, and crucially, to support the travel of our residents to academic meetings, board review courses, and educational advancement.

In closing, I wish you, your family, and loved ones a wonderful holiday season ahead. Please feel free to contact me with any questions.

Kind regards,

N. Shaun Matthews

Dr. N. Shaun Matthews DDS, MD, FDS, FRCS, FRCS (OMFS)

Charles E. Tomich Endowed Professor of Oral & Maxillofacial Surgery

Chair, Department of Oral & Maxillofacial Surgery and Hospital Dentistry

Associate Dean for Hospital Affairs

Chief of Service of Dentistry, IU Health

Director, TMJ Institute

Indiana University School of Dentistry

1121 W. Michigan Street

DS S109C

Indianapolis, IN 46202

Email: shaumatt@iu.edu

Office: (317) 278-3697

Direct: (317) 274-5074

Residency Program Director Update



Greetings from the *Residents' Corner* of Inside IU OMFS, the official alumni newsletter for the Department of Oral & Maxillofacial Surgery of Indiana University. Since our last departmental update our program successfully matched its three categorical resident positions. The residency welcomed Drs. Maximilian Nascimento, our non-categorical intern from the previous year, Dr. Geoffrey Pippin, who completed a non-categorical internship at Emory University, and Dr. Babak

Senfi, a new graduate of Tufts University School of Dental Medicine. The program also currently boasts two dedicated non-categorical interns in Dr. Joel Silva from the University of Utah School of Dentistry and Dr. Joshua Golden, a graduate of the University of New England College of Dental Medicine. July of 2023 also ushered in a new group of eager and skilled Chief Residents in Drs. Anthony Chen, Robinpreet Pannu, and Mehul Patel. Each of the Chief Residents successfully passed the ABOMS qualifying examination during their Chief year and secured a promising position in a

private practice. Dr. Chen will be practicing in the greater Phoenix area near his brother and sister who are both general dentists. Dr. Pannu joined a practice in Reno, NV, and Dr. Patel will be practicing in his hometown of Los Angeles, CA as well as making monthly visits to Indianapolis to volunteer in the pre-doctoral OMS clinic at the IU School of Dentistry while his practice develops.

The residents continue to enhance and strengthen their training with biannual educational activities such as a head and neck cadaver dissection lab and emergency airway training at the IU School of Medicine's state of the art simulation center. It is worth mentioning the dedication and efforts of Dr. Chen, who worked diligently with Dr. Polido on a research project and was afforded the opportunity to present his topic at an educational conference in Phoenix, AZ as well as the 25th International Conference on Oral & Maxillofacial Surgery in Vancouver, BC, Canada. I hope to encourage and mentor more of the residents to be engaged in scholarly activities such that they can present their works at meetings on a national and international level.

The Program is scheduled to complete its CODA accreditation site visit this September. We are fortunate for the tireless and dedicated efforts of its Residency Coordinator, Lori Mucci. Lastly, the Program would like to recognize the invaluable and continued support it receives from Stryker, Synthes, and KLS Martin.

Until the next update, wishing all who read this alumnus update much health and happiness.

Dr. Bill Chung

William Chung, DDS, MD

Clinical Professor & Program Director

Department of Oral & Maxillofacial Surgery & Hospital Dentistry

IU Health University Hospital 3195

550 N. University Blvd.

Indianapolis, IN 46202

Residents' Corner

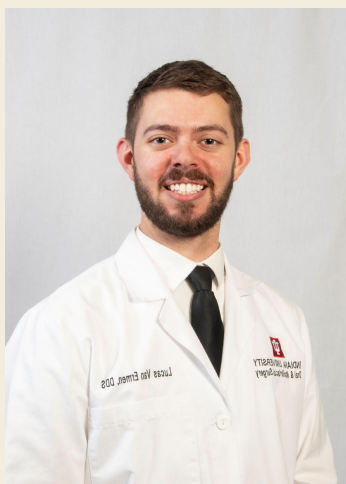
2024 Residency Graduates



Congratulations to our 2024 graduates Dr. Robinpreet Pannu, Dr. Anthony Chen, and Dr. Mehul Patel! We enjoyed our time with them and wish them success in their lives and careers!

All three graduates secured promising positions in private practice. Additionally, Dr. Patel will remain with the school as volunteer faculty!

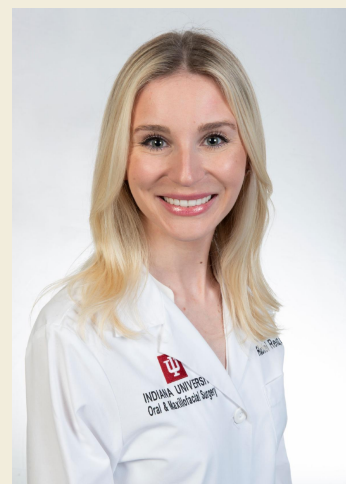
2024/2025 Chief Residents



Lucas Van Ermen, DDS



Syrus Haghighi, DDS



Rachel Reid, DDS

Incoming Residents and Non-Categorical Interns

Incoming residents for the class of 2028 are Max Nascimento, Geoffrey Pippin and Babak Senfi. The non-categorical interns for 2024/2025 are

Joshua Golden and Joel Silva. Sharon Lui is joining us as a Program Year 3.
Welcome to IU OMFS & HD!



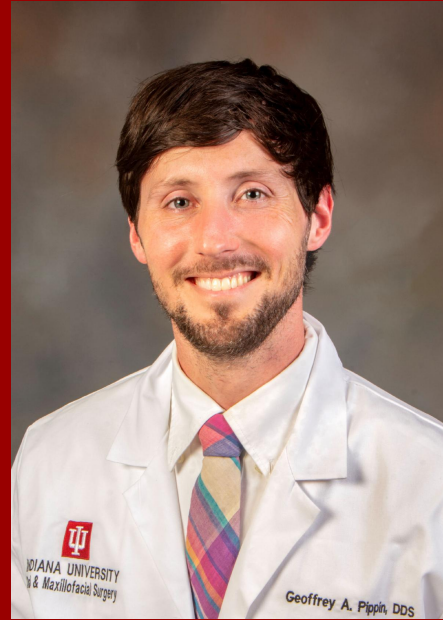
Max Nascimento, DDS
Class of 2028

Originally from Windsor,
Ontario

Enjoys spending time with
family and exploring the
outdoors

Loves the great support staff at
IU

Chose IU for the broad scope
of practice, great residents,
and esteemed faculty



Geoffrey Pippin, DDS
Class of 2028

Lives with his wife Caitlin and
their two cats

Listens to Phish and Japanese
guitarist Masayoshi Takanaka

Appreciates the culture, sense
of forward momentum, and
faculty at IU

Favorite book is *Phantastes* by
George Macdonald



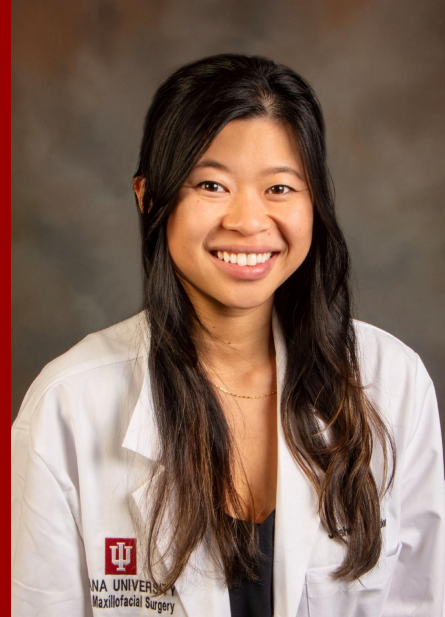
Babak Senfi, DMD
Class of 2028

Chose IU because of our kind faculty, strong culture, and stellar education

Likes Batman because he is a hero without superpowers

Favorite movie is Furiosa and favorite band is Phish

Adopted two kittens when he joined IU



Sharon Lui, DMD
Class of 2026

Transferred to IU for opportunities such as the variety and volume of cases and supportive faculty

Hopes to join a private practice and own a coffee shop on the west coast after residency

Grew up in Texas and has relatives across Canada, Hong Kong, and China

Would choose teleportation as a super power to avoid long flights



Joshua Golden, DMD
Non-Categorical Intern

Hopes to someday create a mobile clinic that could fly into rural communities to address health inequalities

Enjoys being at IU because every day is different and our leaders are great advocates

Grew up in an open adoption with his dog Dentin and frog Lighty

Hobbies include fishing, hiking, swimming, ice skating, flying, and woodworking



Joel Silva, DDS
Non-Categorical Intern

Enjoys IU because of the approachable faculty who help him learn

Married for 4.5 years with a 2 year-old daughter

Listens to Bob Marley and watches Remember the Titans

Would choose not needing to sleep as a superpower



Spotlight On...

Dr. Bruce Horswell
Adjunct Clinical Professor



What got you interested in dentistry?

As a young boy in a small town in Minnesota, I was asked by my parents what I wanted to be...you know, the usual from a parent or relative.

“Well...” I replied, “I don’t know.”

They responded, “What do you like to do?”

That was a no-brainer. “Play golf and fish!”

“Yes...and who gets to do that a lot in town?” my parents queried.

“Doc P_____ of course!”, our local family friend and dentist. So, that was enough for me.

Of course, much more went into that as I slowly progressed through undergraduate and graduate school and I did finally finish at the University of Minnesota School of Dentistry in 1979. (Let’s just say that I wasn’t the “brightest bulb on the tree”...)

What fascinated you the most while in dental school?

In my third year of school and during my OMFS rotation, I had the opportunity to go to the OR and see surgery. I saw Dr. Daniel Waite, Chair and Professor then at Minnesota, perform a maxillary Lefort osteotomy in a cleft-affected child to move her jaw and face forward. That was in 1978...and the rest is history. I was hooked, so to speak, and that’s what I wanted to pursue. For the next 14 years, that’s what I did- hospital dentistry (GPR), medical school, general surgery, craniofacial fellowships in England and Australia- surgery training in 6 universities across 3 continents. It has been a magical and life-impacting experience!

What’s your greatest accomplishment?

There are so many...but probably serving the under-served in Appalachia and South America. Life-changing for children (and families) and life-impacting for me. One can’t forget the children. The next entry speaks to that.

What’s the most interesting place or experience you’ve had?

Ohhh...again, so many. But I’d have to say when I had traveled to Ecuador and brought a young Indian (Waorani tribe) boy back from the Amazon basin region. P_____ had a very large fronto-nasal encephalocoele protruding between his eyes, obliterating his forehead and nose and his eyes were wide apart. He had been abandoned to the village. We finally found a

guardian who could travel with him back to the US, obtained sponsors for everything including flights, housing, local travel, etc. News outlets followed P's experience and progress. We kept P_____ in the US for 6 months during his two large surgeries and convalescence.

Anyway, when I returned to the same area one year later, I was operating at the local clinic when I was urgently summoned to the lobby as a large crowd had appeared asking for me. In short, a contingency from the village, including the local chief and other dignitaries, had a gift for me- a feathered headdress adorned with things now illegal in the US, and a ceremonial spear...fit only for a "chief". Getting the headdress and spear back on the plane home was an adventure...the pilot eventually allowed it onboard but had to remain in the cockpit with him. I imagined his wearing the headdress as we taxied onto the tarmac and our way home. There's more to the story in terms of village celebrations and drinking very interesting ceremonial "brews" that the women make... but that's enough. Those are experiences which are life impacting and of which I'll never forget. I remain very humbled by it all.

What do you like to do outside of work?

This has changed a bit over the years...but nowadays it's taking long walks with my energetic wife, Barbara, and serving with her in our local church, doing nursery and Sunday School. I still try to get back to Minnesota to listen to the loons calling (it's magical) and wetting a fishing line. And I like to journal. I have kept journals and jottings since 1985 and our year Down Under. I sometimes page through them to remember and reflect. It's therapeutic.

What are your future plans?

I do hope that what I have passed on to surgical residents and students has made some impact, especially now that I approach retirement. I will continue to serve, perhaps in the community doing other nonclinical things. Barb and I would like to travel, especially to see relatives in Norway. And, I would really like to learn to play the piano...! I'd like to close with a quote by Leo Tolstoi. It sums up a lot of what I think has kept me doing what I do.

"I am convinced that nothing has so marked an influence on the direction of a person's mind as her appearance, and not her appearance in itself, so much as her conviction that she is attractive or unattractive." -Leo Tolstoi



Staff Promotions

Desiree has been with IU for 17 years! She has been promoted to Business Administrator and is an enormous asset to



our department. She is currently working towards her Masters of Public Health and loves spending time with her two high schoolers and listening to Pink, Post Malone, Eminem, and Tina Turner!



Congratulations to Jill on her recent promotion to Operating Room Scheduling Supervisor! She is always helping our patients with a smile and we are very excited for her to be in this new role. She lives with her boyfriend and two rescue dogs and loves rafting, camping, going to concerts, and collecting art!

Staff Appreciation Award Winners

At our department meetings we recognize the accomplishments of our dedicated staff with a rotating staff appreciation award! We are very thankful for their hard work and positive energy! Meet the winners below.



Lori Mucci



Shelly Cook

Position: Oral Surgery
Residency Program
Coordinator

**Time with the
department:** 7 years

Hobbies: spending time with
family and shopping

Favorite part of the job:
the team and making a
difference!

Education: college for
physical therapy and associate
degree in coding

Position: Operating Room
Coordinator

Pets: 2 dogs- Foxy and Bear

Favorite artists: The
Beatles and Spice Girls

Best part of the job: patient
care and working with a great
team!

Professional experience:
31 years in the dental field



Aisha Shanklin

Position: Post-Doctoral
Clinic Coordinator

Favorite movie: superhero
movies

Education: associate degree
of applied science in
accounting

**Time with our
department:** 17 years!

Family: travels with her son
for AAU basketball and loves
to visit her granddaughter,
Phoenix



Janna Thornton

Position: Pre-Doctoral Clinic
Supervisor

Hobbies: cooking, reading,
taking a walk

Favorite animals: dogs and
penguins

**Time with our
department:** 7 years

Education: master's degree
in organizational leadership



Kari Cassaday

Position: Post-Doctoral
Clinic Supervisor

Favorite food: Mexican food
and margaritas

**Time with the
department:** 19 years!

Family: has three boys in
college

**Best part of our
department:** the teamwork!



Sarah Wright

Position: Surgical Dental
Assistant

Education: Dental Assisting
program from Ivy Tech,
DAANCE radiography
certification, Nitrous Oxide
Administration for Dental
Professionals

Home life: married for 24
years with 4 children, and a
daughter-in-law

**Time with the
department:** 14 years!

TV: true crime, Dateline,
Hamilton, and trashy reality
shows

Faculty Publications and Presentations

Dr. Massimiliano Di Giosia, Intro to Orofacial Pain and Dental Sleep Medicine. Faculty of Odontostomatology. University of Medicine and Pharmacy. Ho Chi Minh City, Vietnam. August 20-21, 2024

Dr. Massimiliano Di Giosia, Management of Temporomandibular disorders. Vietnam International Dental Exhibition & Congress. Ho Chi Minh City, Vietnam. August 22, 2024

Feng Lim P, **Di Giosia M**, Vivaldi D. Teledentistry - A facilitator in orofacial pain education. *J Dent Educ.* 2023 Dec; 87

Kramer, Kyle, "Continued Updates to Anesthesia Progress." *Anesthesia Progress* (2024) Vol 71, Issue 2: 57.

Khaleghi A, Dehnashi N, **Matthews NS**. Myofibroma of the body of mandible: A case report of a solitary lesion. *Journal of Oral and Maxillofacial Pathology*; 2023; Vol 27, Issue 3

Matthews NS, Novosel NI. Interprofessional care for temporomandibular disorders: the patient's perspective. *British Journal of Oral & Maxillofacial Surgery*; 62 (2024): 651-656

Francisco X. Azpiazu-Flores, Chao-Chieh Yang, Wei-Shao Lin, **Waldemar D. Polido**, Dean Morton. (2024). The 3D-printed shell complete denture technique: Simplifying prosthodontic diagnosis prior to implant planning. <https://doi.org/10.1111/jopr.13855>

Carlos Aparicio, **Waldemar Polido**, Antoine Chehade, Marc Shenouda, Madalina Simon, Peter Simon, Bilal Al-Nawas. (2024). Round and flat zygomatic implants: effectiveness after a 3-year follow-up non-interventional study. *International Journal of Implant Dentistry*, 10(1), 30. <https://doi.org/10.1186/s40729-024-00548-9>

Francisco X. Azpiazu-Flores, Chao-Chieh Yang, Wei-Shao Lin, Waldemar D. Polido, Dean Morton. (2024). 3D-printed shell complete dentures as a diagnostic aid for implant planning and fabricating interim restorations for complete arch rehabilitations: A case series. *Journal of Prosthodontics*, 10.1111/jopr.13910. Advance online publication. <https://doi.org/10.1111/jopr.13910>

Dr. Waldemar Polido presented “Short Implants—How to plan and place” on the main stage at ITI World Symposium in Singapore on May 10, 2024. It is the largest implant meeting in the world with 5,600 participants from 25 countries.

Dr. Waldemar Polido also participated as faculty in the AO CMF multidisciplinary course, "Principles of Management on Facial Trauma," held May 18 and 19, 2024, in Indianapolis, where he presented “Management of orbital floor fractures” and “Load bearing and load sharing concepts for mandibular fractures.”

Dr. Waldemar Polido presented the Dr. Douglas and Diane Sinn Lectureship in Oral Maxillofacial Surgery on “Evolution and the use of Digital Technology in Orthognathic Surgery” at the UT Southwestern Parkland Grand Rounds on May 29, 2024.

Dr. Waldemar Polido will be at the AAOMS 2024 Orlando Main Program, presenting on “Risk Factors in Implant Surgery”. He is also presenting an abstract in Orthognathic Surgery session (use of a reduced invasiveness custom guide for maxillary surgery), and co-authoring two abstracts with IU-OMFS residents (class of 2024 Anthony Chen on HOW DO ORTHOGNATHIC SURGICAL MOVEMENTS AFFECT THE POSTOPERATIVE POSTERIOR AIRWAY VOLUME AND MAXIMUM CONSTRICTION AREA?, and Class of 2027 Max Nascimento on Integrating VSP and Patient Specific Cutting Guide for Intraoral Resection of a Giant Coronoid Process Osteoma).

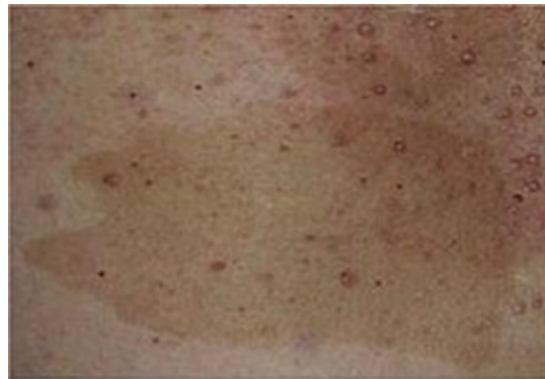
Case Review

Dr. Bruce Horswell, DDS, MD, MS, FACS
Adjunct Clinical Professor

A teenage woman presents for evaluation of a mass on her lower jaw gum line. This has been present for years, it is nonpainful, nonulcerative but slowly growing in size. Currently the lesion is becoming problematic for her and she wishes to have it evaluated and removed. The intraoral lesion is pictured below:



On exam the lesion is soft, compressible and covered with normal appearing mucosa. On further exam you note this pigmented lesion on her arm and several others on her back and near the axilla. Pigmented lesion on the flank is pictured below:



Upon further questioning she states that these pigmented areas have been present for years, slightly increasing in size and pigmentation. The other lesions are at different stages of pigmentation intensity and size.

She began menses at around age 12, has no other endocrinological issues regarding growth, especially in the skeletal regions. She does state that she thinks she has an aunt and first-order younger cousin with similar lesions. You strongly suspect Neurofibromatosis (NFM) due to the skin lesions. Dermatologic pigmented lesions are common and are highly suggestive of systemic disease if there are multiple (> 6 typically), however one must rule out other entities before considering NFM. Therefore, your differential at this time includes:

- 1/ Neurofibromatosis, Type I
- 2/ Lipomatosis with lentiginos
- 3/ Fibroma with associated dermal pigmented lesions
- 4/ Isolated Schwannoma

Your next step in diagnosis should include:

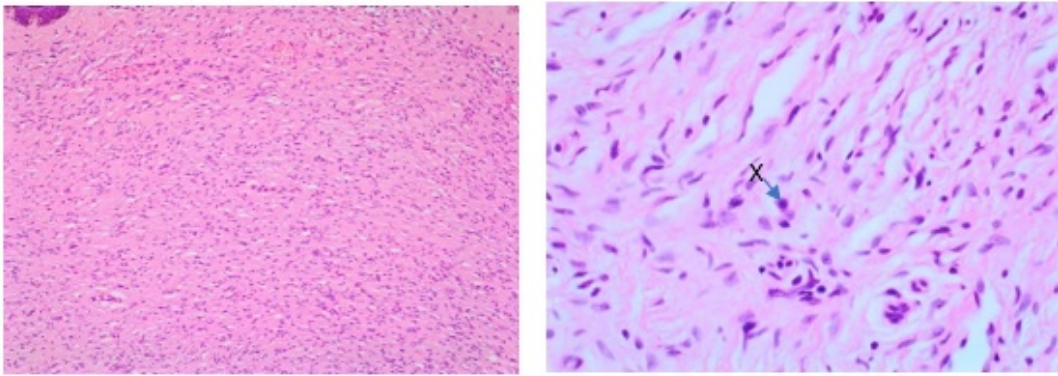
- 1/ Biopsy of the oral lesion
- 2/ Imaging of the craniofacial skeleton
- 3/ Photographic mapping

Biopsy of the mass yields:

- 1/ Encapsulated mass
- 2/ Interlocking or “whorls” of spindle-type cells
- 3/ Wavy-like eosinophilic collagen fibrils

4/ Occasional and scattered mast cells and lymphocytes

Histologic imaging is shown below:



This depicts the eosinophilic staining of loosely formed collagen fibrils on the left and several mast cells (X arrow) set amidst other spindle cells with scant cytoplasm and oval elongated and regular nuclei. The gentle wavy forms of the fibrils is evident.

Your diagnosis is NFM, Type I.

Your next step in final work-up should include:

- 1/ Thorough full-body dermatological examination for café-au-lait macules, especially in non-exposed areas (axilla, groin)
- 2/Ocular exam to rule out or confirm Lisch nodules of the iris (benign hamartomas)
- 3/ CT or MRI to assess presence of sphenoid or cranial base dysplasia
- 4/ Optic nerve gliomas (Ophthalmological examination)
- 5/ Long bone, pelvic and spinal involvement.

To distinguish between NFM Type I, as described above and representing the majority of cases, and NFM Type II, the presence of bilateral CN VIII acoustic neuromas is confirmatory OR A first-order relative with NFM-II and a unilateral acoustic neuroma or 2 of the following: dermal tumours/Schwannoma/glioma/meningioma/plexiform NFMs.

In NFM-I, eradication of the tumours is challenging and often not possible. Due to the unencapsulated nature, excision of a solitary mass must be either made with margins or incomplete removal (debulking) is undertaken. This is reserved for tumours which impact on function, ie, intracranial, intraorbital and airway obstruction. Serial debulking can be undertaken as this is not associated with increased growth or malignant transformation.

Malignant transformation has been variably reported as between 3-12 %, but the lower figure is probably more accurate according to most researchers and published reports. Annual exams and occasional imaging is recommended especially for those areas of criticality mentioned above.

References:

Benign Oral Lesions. RE Marx and D Stern. In, Oral and Maxillofacial Pathology. 2nd ed. Vol I. 2012. pp 416-427.

Team Building

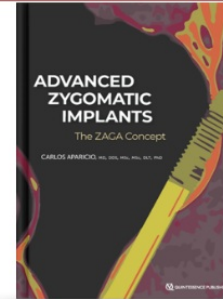
"If everyone is moving forward together,
then success takes care of itself." - Henry Ford



Clockwise: Our chief residents; 2024 resident graduates and faculty; faculty away-day; resident appreciation lunch; staff fun at resident graduation dinner

Recent and Upcoming Events

2024 Resident Graduation Dinner, June 21, 2024
2024 IU OMFS AAOMS Alumni Dinner, September 12, 2024
CODA Site Visit, September 24, 2024
IU Indy 2024 Regatta, September 28, 2024
Resident Welcome Picnic, October 12, 2024
Zygomatic Implants: The ZAGA Concept Guest Lecture, October 15, 2024
OMFS Holiday Party, December 20, 2024



Zygomatic Implants The ZAGA Concept

IU-OMFS invites you to learn with the worldwide expert on **Zygomatic Implants, Dr. Carlos Aparicio**, from Barcelona, Spain.

Editor of the books “Zygomatic implants: the anatomy-guided approach” and “Zygomatic Implants. The ZAGA Concept”

Come back to IU-OMFS and get updated on the use of Zygomatic Implants, meet faculty and residents, and check on the current status of your program !

This event is **exclusive for IU-OMFS Alumni** and current residents.

When: Tuesday, October 15th, 2024

Time: 8:30-12:30 am

Where: Indiana University Joseph E. Walther Hall (R3) Room C203
980 W Walnut St., Indianapolis, IN 46202



Registration: IU-OMFS Alumni: \$150 - 3 CE hours certificate
Scan the QRCode below to register.





Course topics:

- Evolution of the technique for oral rehabilitation by means of prostheses anchored to zygomatic implants.
- The ZAGA concept for decision making.
- The biomechanics of the zygomatic implant and its differences with the regular implant.
- How to assess the results of rehabilitation using specific criteria.



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