

PEARLS OF PEDIATRIC DENTISTRY • 2027

Saturday Breakout Sessions

Choose Your Adventure

Hands-on, practice-ready CE. Less talk, more action — build skills you can use the moment you're back in your chair.

HOW IT WORKS

Choose **4 of the 5** hands-on breakout courses offered. Each 1.5-hour session includes a brief lecture followed by immersive, hands-on training across four breakout periods.

ATTIRE Scrub pants & your 2027 Pearls T-Shirt!

At a Glance

Five course options per breakout period · pick four · build your own Saturday

1.5 Hours Each

Brief lecture, then hands-on, simulation-based training you can take straight to practice.

4 of 5 Options

Every breakout period offers five course options. Pick the four that fit your goals — sit one out or repeat a favorite track.

Mix & Match

Several courses (like SDF/SMART and Emergency Preparedness) repeat across all four periods — others are one-time-only. Some repeat courses have different formats per session (Part 1 vs. Part 2).

Heads up: A few series build on each other across sessions. Dr. LaRee Johnson's crown & restorative track and Dr. Miranda Kalaskey's Intraosseous Anesthesia course each run Foundations (Session 3) then Advanced (Session 4). Dr. Brooke Fukuoka's SDF/SMART course runs a two-part arc: **Part 1 — Lecture only** in Sessions 1 & 3, and **Part 2 — Lecture + Hands-On** in Sessions 2 & 4. Plan your picks accordingly to catch the full arc.

SESSION	COURSE	SPEAKER	SPONSOR	SERIES NOTE
All 4	1 SDF/SMART and Other MID Techniques — Choose Your Own Adventure	Dr. Brooke Fukuoka	Elevate Oral Care	Part 1 (Lecture): Sessions 1 & 3 • Part 2 (Lecture + Hands-On): Sessions 2 & 4
All 4	2 Emergency Preparedness for a Pediatric Dental Office	Dr. Brooke Maryak	PDAA	Repeats every session
1 & 2	3 AI in Pediatric Dentistry: Policy, Evidence & the Future	Dr. Natalia Chalmers	Overjet	Same in both sessions
1 & 2	4 The Plot Behind the TOT: What's Hot and What's Not	Dr. Ann Bynum	LightScalpel	Same in both sessions
Sess 1	5 Anterior Esthetic Crowns with Pulp Therapy	Dr. LaRee Johnson	NuSmile	Crown & restorative series
Sess 2	5 Posterior Primary Crowns with Pulp Therapy & Space Maintenance	Dr. LaRee Johnson	NuSmile	Crown & restorative series
3 & 4	3 When a Bigger Airway Isn't Enough	Dr. Amy Luedemann	—	Same in both sessions
Sess 3	4 Class II Composites	Dr. LaRee Johnson	—	Crown & restorative series
Sess 4	4 Fractured Anterior Permanent Incisor Restorations	Dr. LaRee Johnson	—	Crown & restorative series
Sess 3	5 Intraosseous Anesthesia — Foundations	Dr. Miranda Kalaskey	NuSmile	Part 1 of 2
Sess 4	5 Intraosseous Anesthesia — Advanced	Dr. Miranda Kalaskey	NuSmile	Part 2 of 2

Breakout Session 1

Choose 1 of the 5 courses below for this period

5 OPTIONS • PICK 1

OPTION 1

PART 1 — LECTURE

SDF/SMART and Other MID Techniques — Choose Your Own Adventure

Dr. Brooke Fukuoka · Available during Sessions 1, 2, 3, 4

Sponsored by Elevate Oral Care

This is **Part 1 (Lecture only)** of a two-part series. **Part 2 (Lecture & Hands-On)** runs in Sessions 2 & 4 — attend both for the full experience.

Silver Diamine Fluoride and SMART restorations have been growing in interest in dentistry — and this course is different. Learners drive the bus. Topics appear Jeopardy-style and the group picks what to cover, continuing until time runs out. No two sessions are exactly alike.

LEARNING OBJECTIVES *(vary based on topics chosen by learners)*

- Understand the basic science behind SDF and Glass Ionomer.
- Be aware of various protocols with SDF and Glass Ionomer.
- Understand partial caries removal.
- Indications and contraindications for SDF/SMART.
- See case examples in adult populations.
- Learn other topical medicament options.

OPTION 2

Emergency Preparedness for a Pediatric Dental Office

Dr. Brooke Maryak · Available during Sessions 1, 2, 3, 4

Sponsored by PDAA

This hands-on course trains pediatric dentists in sedation emergencies, airway management, and emergency scenario mock drills using simulation mannequins and real-world scenarios, with a focus on early recognition, airway support, team communication, and initial emergency response.

LEARNING OBJECTIVES

- Learn to identify and direct the appropriate emergency protocols for sedation-related and medical emergencies in the pediatric dental office.
- Learn to evaluate airway compromise and select appropriate airway management interventions during pediatric sedation emergencies.
- Learn to lead and assess emergency mock drills to reinforce decision-making, communication, and initial emergency response in the office setting.

OPTION 3

Artificial Intelligence in Pediatric Dentistry: Policy, Evidence, and the Future of Dental Education and Practice

Dr. Natalia Chalmers · Available during Sessions 1, 2

Sponsored by Overjet

AI is shifting from an optional add-on to a core element of pediatric dental practice. This session explores five dimensions of adoption — evidence, regulation/policy, education, efficiency, and patient-centered care — including what FDA clearance requires, how AI-generated population data reveals new patterns in disease burden, how AI is being woven into dental curricula, and how color-coded radiograph overlays build parent trust and case acceptance.

LEARNING OBJECTIVES

- Explain the FDA clearance process for dental AI, including performance and risk-assessment criteria, clinical validation, pre-market approval, and post-market surveillance.
- Describe how AI-generated patient-level data contributes to the evidence base for pediatric dentistry by revealing patterns in disease burden, oral health scores, and disease progression.
- Identify how AI is being integrated into dental education curricula to enhance procedural accuracy and provide personalized feedback for students.
- Evaluate the practice-efficiency benefits of AI adoption, such as consistent diagnostics, streamlined documentation, and improved case acceptance through visual communication.
- Apply AI-powered visualization tools — such as color-coded overlays — to enhance shared decision-making with parents and build trust through transparent, easily understood radiographic findings.
- Develop a strategic framework for technology adoption that balances evidence, efficiency, and patient-centered care for long-term practice success.

OPTION 4**The Plot Behind the TOT: What's Hot and What's Not****Dr. Ann Bynum** · Available during Sessions 1, 2 **Sponsored by LightScalpel**

Tongue tie (ankyloglossia) has long been tied to breastfeeding and speech concerns, but current research reveals its broader impact on sleep, airway development, and long-term health. Using a "hot vs. not" framework, this session highlights what's working — evidence-based screening, team-based care, functional training, outcome tracking — and calls out outdated practices like "snip and send" and isolated treatment approaches, blending research, real-world cases, and practice growth strategies.

LEARNING OBJECTIVES

- Identify clinical signs and symptoms of sleep and airway issues in pediatric and adult patients.
- Evaluate the role of multidisciplinary collaboration (dental, medical, therapy-based) in optimizing outcomes for tongue-tie treatment.
- Compare effective and ineffective approaches to tongue-tie management, including assessment, release, aftercare, and functional therapy.
- Apply practical strategies for integrating tongue-tie and airway-focused care into daily practice, including patient communication, team training, and referral-building.

OPTION 5**Where Clinical Excellence and Efficiency Meet! — Anterior Esthetic Crowns with Pulp Therapy****Dr. LaRee Johnson** · Available during Session 1 only **Sponsored by NuSmile****LEARNING OBJECTIVES**

- Demonstrate efficient preparation sequences for anterior primary esthetic crowns, including pre-veneered, prefabricated resin, and zirconia crowns, achieving adequate reduction and passive fit.
- Apply appropriate tissue management and cementation techniques to optimize esthetic crown placement and long-term retention.
- Select and perform indirect pulp caps and pulpotomies using calcium silicate-based medicaments to preserve pulp vitality in primary teeth.

Breakout Session 2

Choose 1 of the 5 courses below for this period

5 OPTIONS • PICK 1

OPTION 1

SDF/SMART and Other MID Techniques — Choose Your Own Adventure

Dr. Brooke Fukuoka · Available during Sessions 1, 2, 3, 4

Sponsored by Elevate Oral Care

PART 2 — LECTURE & HANDS-ON

This is **Part 2 (Lecture & Hands-On)** of a two-part series. **Part 1 (Lecture only)** runs in Sessions 1 & 3 — attend both for the full experience.

Silver Diamine Fluoride and SMART restorations have been growing in interest in dentistry — and this course is different. Learners drive the bus. Topics appear Jeopardy-style and the group picks what to cover, continuing until time runs out. No two sessions are exactly alike.

LEARNING OBJECTIVES *(vary based on topics chosen by learners)*

- Understand the basic science behind SDF and Glass Ionomer.
- Be aware of various protocols with SDF and Glass Ionomer.
- Understand partial caries removal.
- Indications and contraindications for SDF/SMART.
- See case examples in adult populations.
- Learn other topical medicament options.

OPTION 2

Emergency Preparedness for a Pediatric Dental Office

Dr. Brooke Maryak · Available during Sessions 1, 2, 3, 4

Sponsored by PDAA

This hands-on course trains pediatric dentists in sedation emergencies, airway management, and emergency scenario mock drills using simulation mannequins and real-world scenarios, with a focus on early recognition, airway support, team communication, and initial emergency response.

LEARNING OBJECTIVES

- Learn to identify and direct the appropriate emergency protocols for sedation-related and medical emergencies in the pediatric dental office.
- Learn to evaluate airway compromise and select appropriate airway management interventions during pediatric sedation emergencies.
- Learn to lead and assess emergency mock drills to reinforce decision-making, communication, and initial emergency response in the office setting.

OPTION 3

Artificial Intelligence in Pediatric Dentistry: Policy, Evidence, and the Future of Dental Education and Practice

Dr. Natalia Chalmers · Available during Sessions 1, 2

Sponsored by Overjet

AI is shifting from an optional add-on to a core element of pediatric dental practice. This session explores five dimensions of adoption — evidence, regulation/policy, education, efficiency, and patient-centered care — including what FDA clearance requires, how AI-generated population data reveals new patterns in disease burden, how AI is being woven into dental curricula, and how color-coded radiograph overlays build parent trust and case acceptance.

LEARNING OBJECTIVES

- Explain the FDA clearance process for dental AI, including performance and risk-assessment criteria, clinical validation, pre-market approval, and post-market surveillance.
- Describe how AI-generated patient-level data contributes to the evidence base for pediatric dentistry by revealing patterns in disease burden, oral health scores, and disease progression.
- Identify how AI is being integrated into dental education curricula to enhance procedural accuracy and provide personalized feedback for students.
- Evaluate the practice-efficiency benefits of AI adoption, such as consistent diagnostics, streamlined documentation, and improved case acceptance through visual communication.
- Apply AI-powered visualization tools — such as color-coded overlays — to enhance shared decision-making with parents and build trust through transparent, easily understood radiographic findings.
- Develop a strategic framework for technology adoption that balances evidence, efficiency, and patient-centered care for long-term practice success.

OPTION 4**The Plot Behind the TOT: What's Hot and What's Not**

Dr. Ann Bynum · Available during Sessions 1, 2 [Sponsored by LightScalpel](#)

Tongue tie (ankyloglossia) has long been tied to breastfeeding and speech concerns, but current research reveals its broader impact on sleep, airway development, and long-term health. Using a "hot vs. not" framework, this session highlights what's working — evidence-based screening, team-based care, functional training, outcome tracking — and calls out outdated practices like "snip and send" and isolated treatment approaches, blending research, real-world cases, and practice growth strategies.

LEARNING OBJECTIVES

- Identify clinical signs and symptoms of sleep and airway issues in pediatric and adult patients.
- Evaluate the role of multidisciplinary collaboration (dental, medical, therapy-based) in optimizing outcomes for tongue-tie treatment.
- Compare effective and ineffective approaches to tongue-tie management, including assessment, release, aftercare, and functional therapy.
- Apply practical strategies for integrating tongue-tie and airway-focused care into daily practice, including patient communication, team training, and referral-building.

OPTION 5**Where Clinical Excellence and Efficiency Meet! — Posterior Primary Crowns with Pulp Therapy and Space Maintenance**

Dr. LaRee Johnson · Available during Session 2 only [Sponsored by NuSmile](#)

In this session, participants will learn to fast-track posterior primary crowns while protecting pulpal health and preserving arch space.

LEARNING OBJECTIVES

- Demonstrate efficient preparation sequences for posterior primary crowns, including stainless steel, resin, and zirconia crowns, with appropriate material selection, tissue management, and cementation technique.
- Select and perform indirect pulp caps and pulpotomies using calcium silicate-based medicaments in posterior primary teeth.
- Determine when premature tooth loss warrants a space maintainer, and select and place common space maintainers to preserve arch space and support normal eruption and occlusion.

Breakout Session 3

Choose 1 of the 5 courses below for this period

5 OPTIONS • PICK 1

OPTION 1

PART 1 — LECTURE

SDF/SMART and Other MID Techniques — Choose Your Own Adventure

Dr. Brooke Fukuoka · Available during Sessions 1, 2, 3, 4

Sponsored by Elevate Oral Care

This is **Part 1 (Lecture only)** of a two-part series. **Part 2 (Lecture & Hands-On)** runs in Sessions 2 & 4 — attend both for the full experience.

Silver Diamine Fluoride and SMART restorations have been growing in interest in dentistry — and this course is different. Learners drive the bus. Topics appear Jeopardy-style and the group picks what to cover, continuing until time runs out. No two sessions are exactly alike.

LEARNING OBJECTIVES *(vary based on topics chosen by learners)*

- Understand the basic science behind SDF and Glass Ionomer.
- Be aware of various protocols with SDF and Glass Ionomer.
- Understand partial caries removal.
- Indications and contraindications for SDF/SMART.
- See case examples in adult populations.
- Learn other topical medicament options.

OPTION 2

Emergency Preparedness for a Pediatric Dental Office

Dr. Brooke Maryak · Available during Sessions 1, 2, 3, 4

Sponsored by PDAA

This hands-on course trains pediatric dentists in sedation emergencies, airway management, and emergency scenario mock drills using simulation mannequins and real-world scenarios, with a focus on early recognition, airway support, team communication, and initial emergency response.

LEARNING OBJECTIVES

- Learn to identify and direct the appropriate emergency protocols for sedation-related and medical emergencies in the pediatric dental office.
- Learn to evaluate airway compromise and select appropriate airway management interventions during pediatric sedation emergencies.
- Learn to lead and assess emergency mock drills to reinforce decision-making, communication, and initial emergency response in the office setting.

OPTION 3

When a Bigger Airway Isn't Enough

Dr. Amy Luedemann · Available during Sessions 3, 4

Many clinicians have seen a child whose airway appears larger than at the start of treatment, yet improvements in sleep, breathing, behavior, regulation, or overall function have not followed as expected. Through clinical cases and discussion, this session examines why structural change alone doesn't always create physiologic change — exploring the relationship between airway development, structural balance, nervous system regulation, and resilience, with the goal of understanding the whole child rather than simply enlarging the airway.

LEARNING OBJECTIVES

- Recognize why increased airway size does not always correlate with improved function, breathing, sleep, or behavior.
- Identify structural patterns that may influence long-term stability and treatment outcomes.
- Describe the relationship between airway development, nervous system regulation, and resilience.
- Recognize clinical signs of dysregulation that may affect growth, development, and response to treatment.
- Apply a broader whole-child perspective when evaluating and supporting children with airway concerns.

OPTION 4

Where Clinical Excellence and Efficiency Meet! — Class II Composites

Dr. LaRee Johnson · Available during Session 3 only

In this session, participants will learn tips to efficiently prep and fill Class II composite resin restorations with anatomically correct contacts.

LEARNING OBJECTIVES

- Design appropriate Class II preparations and select matrix and wedging systems that support tight, anatomically correct proximal contacts.
- Apply layering and curing strategies that minimize voids and overhangs in Class II composite restorations.
- Perform contouring and finishing techniques that produce durable, well-sealed restorations and reduce the risk of open contacts.

OPTION 5

Intraosseous Anesthesia — Foundations of Intraosseous Anesthesia

Dr. Miranda Kalaskey · Available during Session 3 only

Sponsored by NuSmile

LEARNING OBJECTIVES

- Describe the biological principles and clinical indications for intraosseous anesthesia.
- Explain the clinical workflow for successful intraosseous anesthesia using computer-controlled delivery systems.
- Identify appropriate patient and procedure selection for intraosseous anesthesia.
- Recognize common technique errors and implement strategies to achieve more predictable, profound anesthesia.
- Integrate intraosseous anesthesia into routine restorative, endodontic, pediatric, and emergency dental procedures.

Breakout Session 4

Choose 1 of the 5 courses below for this period

5 OPTIONS • PICK 1

OPTION 1

SDF/SMART and Other MID Techniques — Choose Your Own Adventure

Dr. Brooke Fukuoka · Available during Sessions 1, 2, 3, 4

Sponsored by Elevate Oral Care

PART 2 — LECTURE & HANDS-ON

This is **Part 2 (Lecture & Hands-On)** of a two-part series. **Part 1 (Lecture only)** runs in Sessions 1 & 3 — attend both for the full experience.

Silver Diamine Fluoride and SMART restorations have been growing in interest in dentistry — and this course is different. Learners drive the bus. Topics appear Jeopardy-style and the group picks what to cover, continuing until time runs out. No two sessions are exactly alike.

LEARNING OBJECTIVES *(vary based on topics chosen by learners)*

- Understand the basic science behind SDF and Glass Ionomer.
- Be aware of various protocols with SDF and Glass Ionomer.
- Understand partial caries removal.
- Indications and contraindications for SDF/SMART.
- See case examples in adult populations.
- Learn other topical medicament options.

OPTION 2

Emergency Preparedness for a Pediatric Dental Office

Dr. Brooke Maryak · Available during Sessions 1, 2, 3, 4

Sponsored by PDAA

This hands-on course trains pediatric dentists in sedation emergencies, airway management, and emergency scenario mock drills using simulation mannequins and real-world scenarios, with a focus on early recognition, airway support, team communication, and initial emergency response.

LEARNING OBJECTIVES

- Learn to identify and direct the appropriate emergency protocols for sedation-related and medical emergencies in the pediatric dental office.
- Learn to evaluate airway compromise and select appropriate airway management interventions during pediatric sedation emergencies.
- Learn to lead and assess emergency mock drills to reinforce decision-making, communication, and initial emergency response in the office setting.

OPTION 3

When a Bigger Airway Isn't Enough

Dr. Amy Luedemann · Available during Sessions 3, 4

Many clinicians have seen a child whose airway appears larger than at the start of treatment, yet improvements in sleep, breathing, behavior, regulation, or overall function have not followed as expected. Through clinical cases and discussion, this session examines why structural change alone doesn't always create physiologic change — exploring the relationship between airway development, structural balance, nervous system regulation, and resilience, with the goal of understanding the whole child rather than simply enlarging the airway.

LEARNING OBJECTIVES

- Recognize why increased airway size does not always correlate with improved function, breathing, sleep, or behavior.
- Identify structural patterns that may influence long-term stability and treatment outcomes.
- Describe the relationship between airway development, nervous system regulation, and resilience.
- Recognize clinical signs of dysregulation that may affect growth, development, and response to treatment.
- Apply a broader whole-child perspective when evaluating and supporting children with airway concerns.

OPTION 4

Where Clinical Excellence and Efficiency Meet! — Fractured Anterior Permanent Incisor Restorations

Dr. LaRee Johnson · Available during Session 4 only

In this session, participants will learn to manage fractured anterior permanent incisors from initial trauma assessment through definitive restoration.

LEARNING OBJECTIVES

- Assess fractured anterior permanent incisors to determine appropriate trauma management and treatment sequencing.
- Perform Cvek partial pulpotomies using calcium silicate-based materials to preserve pulp vitality in young permanent teeth.
- Apply predictable bonding protocols to rebond fractured fragments, or perform composite buildup techniques when a fragment is unavailable, to restore form and esthetics.

OPTION 5

Intraosseous Anesthesia — Advanced Intraosseous Anesthesia

Dr. Miranda Kalaskey · Available during Session 4 only

Sponsored by NuSmile

LEARNING OBJECTIVES

- Refine injection technique to improve efficiency, accuracy, and patient comfort.
- Apply advanced clinical decision-making when selecting intraosseous anesthesia for complex restorative, endodontic, surgical, and pediatric procedures.
- Troubleshoot anesthetic failures and modify technique to improve clinical outcomes.
- Understand advanced features and clinical applications of the QuickSleeper system.
- Demonstrate increased proficiency through expanded hands-on training with all three delivery systems.
- Develop greater confidence managing challenging anesthetic situations through case-based learning and practical application.