

**Poster Submission Form**  
**Pediatrics for the 21<sup>st</sup> Century Symposium**  
**Oral Health in the 21<sup>st</sup> Century:**  
**Something to Smile About – Pediatrician’s Role in**  
**Oral Health**

**Friday, October 10, 2008**  
**Hynes Convention Center, Boston, MA**

The American Academy of Pediatrics is holding the Peds-21 Poster Session & Luncheon followed by the Peds-21 Symposium. For more information about Peds-21, go to: <http://www.aap.org/peds-21> and be sure to read the Peds-21 Call for Posters.

**Abstract Submission Deadline: June 13, 2008**

Attn: [astolic@aap.org](mailto:astolic@aap.org)

**AUTHOR INFORMATION:**

**Primary Author Information:**

Name:	<u>Matthew K. Geneser</u>	Title:	<u>DDS</u>
Institution:	<u>St. Joseph Dental Center</u>	Street Address:	<u>21 Peace St</u>
Work Phone:	<u>401 456-4285</u>	City, State:	<u>Providence, RI</u>
Fax Number:	<u>401 456-4462</u>	E-mail Address:	<u>matt.geneser@gmail.com</u>

**Co- Author #1 Information (if applicable):**

Name:	<u>Daniel J. Kane</u>	Title:	<u>DMD</u>
Institution:	<u>St. Joseph Dental Center</u>	Street Address:	<u>21 Peace St</u>
Work Phone:	<u>401 456-4441</u>	City, State:	<u>Providence, RI</u>
Fax Number:	<u>401 456-4462</u>	E-mail Address:	<u>DKane@saintjosephri.com</u>

**POSTER SESSION ABSTRACT INFORMATION:**

**Title:** General anesthesia in pediatric dentistry: patient characteristics

**POSTER SESSION ABSTRACT BODY:**

**Background:**

St. Joseph Pediatric Dental Center in Providence, RI is a dental center with 8 pediatric dental residents. Our center serves an underserved population in Providence, Rhode Island. We are one of the only dental centers in Rhode Island which treats children with extensive dental needs under general anesthesia.

**Project Objectives:**

The purpose of our study was to determine the characteristics of the patients being treated under general anesthesia. It was our hope that determining the characteristics of patients that necessitate treatment under general anesthesia will lead to more refined prevention efforts and lessen the need for operating room treatment in the future.

**Target population(s):**

The largely Medicaid, Hispanic, and underserved child population in Providence, RI.

**Project Description:**

Our project analyzed the characteristics of patients we have been treating under general anesthesia during 2004, 2005 and 2006. We wanted to see how the typical patient had changed over time. We also wanted to analyze what effect the growth of our residency program has had on access to care.

**Methods/Strategies:**

This study was carried out as a retrospective chart review. A listing of patients treated in the operating room was kept as a Microsoft Excel file since 2004. The files of patients treated under general anesthesia were serialized for each calendar year. Using a random number generator, 33%, or 1 in 3, of the charts was selected for inclusion. The selected charts were pulled and analyzed. Any chart with incomplete information was not included in the analysis. We gathered as much information as possible from these charts, including patient characteristics such as age, gender, ethnicity, procedures performed, wait time, and recall rates.

**Results/Impact:**

We found that the average patient being seen under general anesthesia was a 5.5 year old male who spoke English at home and had Medicaid for dental insurance. We were able to determine that the average wait length for this service was 194 days in 2004, but this figure had dropped to 88 days in 2006. We found that the most common reason for treatment under general anesthesia was poor behavior, followed by fear. We also learned that the number of teeth treated in the average case had remained constant over time, although the types of procedures performed had changed somewhat over the three years studied. We also found that over 40% of the patients treated under general anesthesia presented to our clinic complaining of pain.

**Conclusion/Key Lesson(s) Learned:**

This study gave our dental center and our residency program a wealth of information concerning the patients we treat using general anesthesia (GA) in the operating room. When we began utilizing GA in late 2003, our program was in its infancy. As our program has grown from two residents to currently eight residents, we can see that the access to care has improved. This is shown by the drastic decrease in waiting time from 2004 to 2006. We feel this study shows how important a residency program can be, especially in an area of need. Hopefully this data will be groundwork for future study into the use of GA and our center can see how the changes we make effect the care we deliver to our patients. Hopefully we can use this data to tailor our prevention efforts and lessen the need for this modality in the future.

**TABLES/FIGURES/PHOTOS (limit 4 total, 2 MB total) (optional):** Please add any tables, figures, and/or photographs to the space below that will further help explain your abstract. If using photos, please ensure that the subjects cannot be identified through identifying marks or features.

**Disclosure Form:** Submissions will not be considered without disclosing any conflicts of interest. The submitting *author and all co-authors* are responsible for reviewing the AAP Conflict of Interest/Disclosure Policy and completing, signing, and submitting the form along with your abstract by August 9, 2008. All conflict of interest information is included with this call for abstracts.

**X (I accept) ACCEPTANCE AGREEMENT: By checking this box, I understand that if my abstract submission is accepted, I am responsible for all of my expenses, including meeting registration, travel, hotel, meals and transportation.**

Poster session abstracts must be **received** by **June 13, 2008** via email at [astolic@aap.org](mailto:astolic@aap.org).