

**Proposal Summary**  
**Meeting Date:** 6/5/2018

**University of Illinois at Chicago College of Dentistry**  
**Request # 115675**

<b>Project Title:</b>	Pediatric Dentistry Ambulatory Surgery Center
<b>Duration:</b>	18 months
<b>Request Date:</b>	4/30/2018
<b>Request Amount:</b>	\$150,000
<b>Recommended Amount:</b>	\$150,000
<b>Program Area:</b>	Human Services
<b>Population Served:</b>	Developmentally Disabled; Poor / Economically Disadvantaged
<b>Type of Support:</b>	Capital Support
<b>Grantee Location:</b>	Chicago, IL
<b>Primary Contact:</b>	Clark Stanford, DDS, Ph. D

**Project Abstract**

The proposal is to build a Pediatric Dentistry Ambulatory Surgery Center with two 227-square-foot general anesthesia suites and five 147-square-foot procedure rooms in a renovated area of the first floor of the University of Illinois at Chicago College of Dentistry to enable the College to expand existing services provided to children under general anesthesia.

**Organizational Background**

The UIC College of Dentistry (COD) enrolls 400 individuals in Doctor of Dental Medicine programs for individuals who wish to practice dentistry and about 100 post-graduate students. Student tuition, facilities & administration rates and clinical revenues are used to operate the academic, clinical and research missions of the COD. It currently has an operating budget of \$53 million, about 2% of which comes from State support. The COD has undergone an extensive renovation of all the clinical and research spaces throughout its 300,000 sq. ft building. The COD has over 34,000 active patients, with about 133,000 patient visits to the main clinic and 27,000 active patients at 18 community clinics located in Chicago and northern Illinois. The COD is the largest provider of dental care for underserved patients in the State of Illinois.

**Annual Revenue Sources (University of Illinois System)**

Grants	16%	Government	32%	Earned Income	24%
Fees	19%	Private Support	3%	Other	6%

**Finances (University of Illinois System)**

\$ in thousands	Budget	Actual	Actual
	NA	06/30/2017	06/30/2016
<b>Revenues</b>	NA	\$6,217,103	\$5,426,528
<b>Expenses</b>	NA	6,136,621	5,702,494
<b>Surplus (Deficit)</b>	NA	52,705	(275,966)
<b>Net Assets</b>	NA	\$4,374,586	\$4,321,881

### Program Description

One of the goals of the COD is to prepare an oral health care workforce that is competent and committed to addressing the oral health needs of vulnerable and underserved. The COD engages fourth-year dental students in service-learning experiences of up to 16 weeks which sends students to community clinics in the Chicago metro area as well as international community-service rotations in low income nations. Students in these rotations provide care to underserved urban, rural, and special needs populations, including children, the developmentally disabled, HIV-positive individuals, and geriatric patients.

A large proportion of the children referred to COD from all over the State (50 – 70 referrals a day), are young, poor, and have special health care needs. These children have very high levels of dental disease and many need to be treated under general anesthesia (GA). Currently, there are 1,131 children in Illinois in need of dental care under GA, representing a wait of two or more years because of limited access to operating rooms. COD treats an average of 350 children and adolescents under GA annually at the UI Hospital and St. Bernard Hospital. This very limited access to GA means care cannot be provided in an acceptable time frame. As they wait, children may experience dental pain which will continue to lead to school absences, interrupted sleep, limited ability to eat and drink, poor nutrition, stunted growth and development, and likely an unhealthy adult dentition. Many parents miss days of work to attend to their child in pain, increasing the financial stress of the family. A dental infection can become very serious – it can affect the eyes, airways and even the brain, leading to hospital admissions for intravenous antibiotics, painkillers and hydration. It can also lead to death.

COD plan expand its existing GA services to build a Pediatric Dentistry Ambulatory Surgical Center (ASC) with two 227-square-foot GA suites and five 147-square-foot procedure rooms in a renovated area of the first floor of the the COD. The project budget will cover the construction of the ASC, the purchase of GA and dental equipment and supplies. GA suites will enable dentist to perform procedures on patients under GA. Procedure rooms will be used to treat pediatric patients under oral, nasal or intravenous sedation. Approximately 30% of the patients currently on the GA wait list are children with special health care needs or complex medical histories. COD estimates that at least 50% of these patients have intellectual and/or developmental disabilities.

### Expected Outcome

- Construction of ASC by January 31, 2019
- Increase in annual number of patients treated under general anesthetics of 1,000 patients in its first year and 1,200 in the second in GA suites
- Increase in annual number of patients served under oral, nasal or intravenous sedation by 2,520 in procedure rooms

### **Program Budget**

Project cost estimates were based on the preliminary plan done in July 2017 that includes estimates for a 2,000 sq. ft at \$625/sq. ft construction cost, GA Delivery Systems, medical grade computers and dental equipment. The COD is committed to the project and has initiated the construction design phase of the project. It is prepared to seek University of Illinois System debt management service to provide the additional resources needed to complete the project by way of taking a loan at 4% interest rate against self-supporting clinic revenues. In April 2018, the COD invested \$130,000 to retain the architect to go to the construction design phase of the project. CFI funds would partially fund equipment furniture for procedure rooms.

### **Prior Grants**

This would be CFI's first award to the UIC College of Dentistry

### **Recommendation**

As previously reported to the BOD, CMc has served for the past 2.5 years as the co-chair of the Health Program Affinity Group (HPAG), facilitated by the member networks program of Forefront. During this time, HPAG has worked to identify areas of common interest among its member grant makers. Oral Health emerged as an area of some common interest and a program officer from Illinois Children's Healthcare Foundation (ILCHF) led the effort to identify a potential project and build a funding coalition.

ILCHF is the only statewide private foundation solely focused on improving the health of all children in the State of Illinois. ILCHF was created in December 2002 through an action of then Attorney General Jim Ryan and an Illinois insurance carrier. This action and a settlement of approximately \$125 million established the Foundation. From 2002 to 2017, Illinois Children's Healthcare Foundation has provided more than \$75 million through 438 grants that have been invested in programs aimed at improving overall children's health in Illinois, with a focus in oral health and mental health.

ILCHF has previously funded the COD to remodel its pediatric dental reception area so has experience with the organization. It is the lead funder in this initiative while Delta Dental Plans Association, a network of 39 independent insurance companies operating in all 50 states, has made a significant commitment.

It has been confirmed by several of CFI's I/DD service provider grantees that dental services are difficult to obtain for this population. Few providers accept Medicaid and fewer still can provide services in environments that are supportive of their special needs. To expand these services as well as to support a collaborative grantmaking approach, we recommend approval of this request.

*University of Illinois at Chicago College of Dentistry  
 Pediatric Dentistry Ambulatory Surgery Center  
 30-Apr-18*

**Total Project Budget**

<b>Revenue</b>	<b>Funds Needed</b>	<b>Funds Requested</b>	<b>Funds Committed</b>
Coleman Foundation	\$ 150,000	\$ 150,000	
ILCHF	2,000,000	2,000,000	
Delta Dental	600,000	600,000	
West Lake Foundation	100,000	100,000	
Organizational contribution	480,000		
<b>Revenue Total</b>	<b>\$3,330,000</b>	<b>\$2,850,000</b>	<b>\$0</b>

<b>Expense</b>	<b>Project Budget</b>	<b>Coleman Funds</b>	<b>Other Sources</b>
<i>Construction/Remodeling</i>			
Cost per square foot	\$ 1,250,000		\$ 1,250,000
Architect construction design	130,000		130,000
<i>Dental Equipment</i>			
General Anesthesia Delivery Systems	270,000		270,000
Medical Grade Computers	12,000		12,000
Laryngoscope	15,000		15,000
Anesthesia Carts	5,000		5,000
Non General Anesthesia Dental Equipment	900,000		900,000
General Anesthesia Recovery Room Equipment	220,000		220,000
Equipment Furniture for Procedure Rooms	500,000	150,000	350,000
IT Connectivity to UI Hospital	8,000		8,000
Standard Dental Computers	20,000		20,000
<b>Total</b>	<b>\$3,330,000</b>	<b>\$150,000</b>	<b>\$3,180,000</b>