

VOL. 24, NO. 1

University of Buffalo Mouthguard Program See Page 5

We Athletic Training



Dental Coverage for the Rugby World Cup Page 6

President's Message

Page 3

From the Editor's Pen

Symposium Registration Form Page 9

IE EUILOF S PEN Page 4

Academy for Sports Dentistry 2007 - 2008OFFICERS AND DIRECTORS

ONE YEAR

BOARD MEMBER

Berkeley, CA 94705

Dr. Gloria J. Roberts

12611 Antioch Road

Overland KS 66213

BOARD MEMBER

Dr. W. Robert Howarth

North Plainfield, NJ 07407

Hospital for Sick Children

555 University Avenue

BOARD MEMBER

190 Green Brook Rd.

Dr. David Kenny

Canada M5G 1X8

THREE YEAR

Dr. James Lovelace

115 E. First Street

Hinsdale, IL 60521

Dr. Paul Nativi

1009 Berry Lane

Edwardsville, IL 62025

Toronto, ON

TWO YEAR

Dr. Whitney R. Johnson

2999 Regent Street, Suite 727

PRESIDENT

Dr. Regan Moore University of Louisville School Of Dentistry Louisville, KY 40292

PRESIDENT-ELECT Dr. Jeffrey Hoy 2440 W. Lomita Blvd. Ste. 340 Torrance, CA 90505

SECRETARY Dr Hans M Stasiuk Box 836 Portage la Prairie, Manitoba Canada R1N 3C3

TREASURER

Dr. Alex Della Bella 7835 Remington Road Cincinnati, Ohio 45242

IMMEDIATE PAST PRESIDENT Dr. Leslie Rye 1800 Michael Faraday Dr. #205 Reston, Virginia 20190

HISTORIAN

Dr. Jackson Winters 200 Lima Avenue Findlay, OH 45840

ADA LIAISON Ms. Nicole Stoufflet, RDH, MHS FAX: 217.227.3438 ADA 211 East Chicago Ave. Chicago, IL 60611-2678

EXECUTIVE SECRETARY

Ms. Shelly Lott Meetings Accomplished 118 Faye St. P.O. Box 364 Farmersville, IL 62533 OFF: 800.273.1788 Email: sportdentistry@consolidated.net

WEBSITE COORDINATOR

Melvin M.H. Choy, DDS 50 S. Beretania St., Ste. C-201 Honolulu, HI 96813-2222

The Academy for Sports Dentistry, its officers and Board, are not responsible for the opinions, views or statements made in any essay, discussion or in the proceedings which are presented in The Academy for Sports Dentistry Newsletter.

The Academy for Sports Dentistry Newsletter is published tri-annually for its members. Comments and suggestions regarding the newsletter should be directed to Dr. Steve Mills, Editor.

2007-2008 ASD COMMITTEES

CONSTITUTION & BYLAWS Dr. Alex M. Della Bella, Chair Dr. Leslie Rye

MEMBERSHIP & CREDENTIALS Dr. Robert Howarth, Chair and Board Liaison

Dr. Andrew Arriola Dr. Gilda Banta Dr. Jeffrey Hoy

FELLOWSHIP SUB-COMMITTEE Dr. Richard Mariani, Chair Dr. Enrique Amy, Board Liaison Dr. Emilio Canal Dr. Michael Messina

PUBLICATIONS Dr. Steve Mills, Chair, Newsletter Dr. Emilio Canal, Jr., Journal Dr. Melvin Choy, Website Mr. Ryan Salazar

RESEARCH

AND EDUCATION Dr. David Kenny, Co-Chair Dr. John Wisniewski, Co-Chair Dr. David Kumamoto Dr. Mark Roettger Dr. Gilda Banta Dr. Greg Ladd Dr. Jerry Walker

POSITION STATEMENTS-

SUB-COMMITTEE Dr. Hans Stasiuk Dr. Regan Moore Dr. Leslie Rye

ANNUAL SESSION

Dr. Hans Stasiuk, General Chairman Dr. Paul Nativi, Local Arrangements Chair INTERNATIONAL Dr. Regan Moore Dr. Leslie Rye Dr. Alex Della Bella Dr. King Scott Dr. Jack Winters Dr. Mike Nanne Dr. Jim Lovelace Ms. Shelly Lott

AD HOC COMMITTEE-STUDENT AFFILIATE PROGRAM Dr. Regan Moore, Chair Dr. Stephen Mills

Dr. Leslie Rye, Chair

NOMINATION COMMITTEE

Dr. Mark Roettger Dr. Hans Stasiuk Dr. Gloria Roberts Dr. Gilda Banta

AD HOC COMMITTEE -STRATEGIC PLAN PAST PRESIDENT COMMITTEE Dr. King Scott, Co-Chair Dr. Alex Della Bella Co-Chair Dr. Stephen Mills Dr. Mark Roettger Dr. Enrique Amy Dr. Brett Dorney Dr. Leslie Rye

AD HOC COMMITTEE -CODE OF ETHICS Dr. Whitney Johnson, Chair Dr David Kumamoto

FUNDRAISING COMMITTEE To be announced

SPECIAL OLYMPICS/ SPECIAL SMILES Dr. Gloria Roberts, Chair and Board Liaison Dr. Robert Howarth Dr. Rick Knowlton

DEVELOPMENT COMMITTEE WITH ASSOCIATION OF DENTISTRY, SPORT AND TRAUMA: Dr. Emilio Canal, Jr., Chair

2007-2010 ASD LIAISON REPRESENTATIVES

ADA – Nicole Stoufflet Canada - Dr. Hans Stasiuk FIMS - Dr. Hans Stasiuk Joint Commission -Dr. Jack Winters AAPD - Dr. Steve Mills IADT -Dr. Emilio Canal

EDITOR

Steve Mills, DDS 300 Technology Way Scarborough, ME 04074 OFF: 207.883.4203 Fax: 207.883.9068 Email: LMills5977@aol.com

ASTM - Dr. Mark Roettger NCAA - Dr. Jack Winters IOC - Dr. Enrique Amy Special Olympics -Dr. Gloria Roberts IAPD - Dr. David Kenny

NATA - Dr. King Scott

MANAGING EDITOR

Mary Byers 315 Bristol Rd. Chatham, IL 62629 OFF: 217.483.8836 FAX: 217.483.4161 Email: mbyers@insightbb.com ACADEMY E-MAIL: sportsdentistry@consolidated.net ACADEMY WEBSITE: www.sportsdentistry-asd.org



The Future of Sports Dentistry

Regan Moore, DDS, MSD, President

What is the future of an organization dedicated to dentistry in sports? Predictably, sports are forever, and oral health doctors will exist as long as humans have teeth. In recent years the dental professional has come under attack from the public, government officials, and even by self appointed ethicists within our profession (see October 11, 2007 New York Times article entitled: Boom Time for Dentists, but Not for Teeth). The criticisms are that the profession has become "too business oriented," "lowering ethical standards," and "catering to the cosmetic needs of the wealthy few, while ignoring the oral health needs of the many and the needy." Dental schools are also under fire for emphasizing courses in successful business management and promotion, while eliminating traditional courses such as history of dentistry, oral medicine, pediatrics, geriatrics, prevention, and community dentistry. The academic community may see sports dentistry as unnecessary, frivolous, and lacking in potential for financial return. Some contend that it is beyond the scope of a four-year curriculum, and should be relegated to post-doc programs in pediatrics or prosthetics. Others have been proponents of a mandatory 5th year to accommodate new curriculum of this type.

Concurrently, many states are cutting back on oral health care subsidy programs for citizens, especially for children. Many states are also cutting budget items that go to support dental education. So, in order to pay the bills, many dental schools are raising student tuition costs, and/or attempting to increase clinic income via increased fees and more patient treatment. Clinical faculty lines are being eliminated or go unfilled. More and more, dental schools are turning to alumni, faculty practice incomes and outside research dollars as means to subsidize the dental education process. Meanwhile, there is a widening gap between the cost of a dental school education verses a medical school education; current estimates are that a 4-year-education in dentistry is 25% to 50% more expensive than in medicine, as compared from within the same university.

Despite these trends, many potential students see a livelihood in dentistry to be more attractive than one in medicine. A comparative study which serves as a good baseline was published in the New England Journal of Medicine, May 5, 1994, showing dentists with greater lifetime earnings than physicians. Surveys of practicing dentists show that "autonomy of practice" and "self-owned business opportunity" are still the greatest motivators. This trend is easily verified by looking at the number of applicants per positions available, in any given year. For many, dentistry is a gratifying part of the healing arts, because it is visually rewarding and combines skills of hands and brains in the final product. Despite the stressful features of practicing dentistry, there is a bright future which includes sports dentistry as a style option. Since the formal dental school process is slow to take it on, much of the cost of educating sports dentists may need to be passed on to the private sector.

So, what is our future? I believe that an organization for sports dentistry is absolutely necessary in order to serve the public need, to share the wisdom of the past and the scientific knowledge of the future. I expect that expanding the field of sports dentistry will foster neither **generalizing** nor **specializing**, but will instead provide **versatility** for the practicioner. I believe that in the future, knowledge and skills in sports dentistry will be a mark of a well trained and modern dentist. And, it's a great opportunity to be engaged in the life of our communities.



I Just saw Cos...

From the Editor's Pen:

Steve Mills, DDS, Editor

I recently had a long overdue visit to my friend and mentor Dr. Cosmo Castaldi. Cos is not doing so well as the troubles of Alzheimer's Disease are making him a shadow of the man I once knew. It's a terrible disease but he is well cared for. He still looks like he could skate around the rink a few times though those days are long past. His wife Anita is with him daily and she is still a delightful woman and still devoted to Cos and her family.

Many of our current members have come to the Academy too recently to know Cosmo Castaldi. Along with Bill Godwin, Bill Heintz, Mick Morrow, Don Peterson, Jack Stenger and others, he founded the Academy for Sports Dentistry in 1983. Cos (which is all any of us call him even though that moniker carries all of the respect in the world) was a pioneer in Pediatric Dentistry especially for the Adolescent. He pioneered the use of protective equipment in youth ice hockey, and he was my director at the University of Connecticut Department of Pediatric Dentistry. He was what is best in an educator: knowledgeable, skilled, experienced, and for me, a father-type figure. I do love Cos and wish comfort and happiness for him and Anita forever.

There is a point to this personal introduction. We in sports dentistry have precious little easily accessible written information on sports dentistry. Dennis Ranalli has produced two wonderful *Dental Clinics of North America (1991 and 2000)* which have served us as textbooks for quite a while. A future one of these is being considered now. When the Academy became partners in the journal *Dental Traumatology*, the editor in chief, Martin Trope, diligently introduced good quality articles on Sports Dentistry into each issue. The current editor, Lars Andersson, has continued this effort. These resources, along with a variety of chapters and articles on sports injuries and their prevention in different textbooks and journals which many of our members have been involved with, constitute what I consider our available bank of information.

My most valuable source of information, however, has always been the personal interaction with fellow members. Every year I come away from our Annual Session learning a tremendous amount from friends, old and new, whether dentists, hygienists, trainers, or our corporate sponsors. A huge part of what I know about sports dentistry, I dare say the majority, has been received in this way. Our annual session is uniquely set up to enable this interaction. It is a very close and comfortable gathering in which no one is unapproachable. I believe that it is my only way to ensure that I am up to date on sports dentistry. For this year's schedule go to www.sportsdentistry-asd.org.

Our organization needs a good turnout in St. Louis this year. And we, as individuals, need to meet all the people who can be friends and resources to us. The older members have been replaced by the Emilio Canals, Mike Messinas, Mark Roettgers, Jeffrey Hoys, Enrique Amys, and King Scotts of the ASD. There are so many others. Get to know them. Come to St. Louis.

I just had a phone call from Bill Godwin. Bill is in his eighties now but still very active at the University of Michigan. He wrote his first article on mouthguards in the year I was born, 1955. I always learn something from Bill. I'm so glad that I know him. We all need to know someone like Cos and Bill.

University of Buffalo Mouthguard Program



According to Shelly Lott, executive secretary of the Academy for Sports Dentistry, one of the most common requests she receives is for information or guidance as to how to run a "mouthguard program" or "mouthguard clinic." While many of our members have done this for years the actual process varies from individual to individual. What follows is an example of a program at the University of Buffalo, School of Dental Medicine under the direction of Dr. David Croglio, which has taken place annually since 1994. I hope that this example will foster an ongoing and lively discussion in the newsletter on how best to run a mouthguard program.

Dr. Croglio has been a member of the ASD since 1995 and is a part-time faculty member at the University of Buffalo, School of Dental Medicine. He holds a senior elective class for dental students on Sports Dentistry. Students of this class (10-15 each year) and interested residents in the AEGD residency take part in the mouthguard program for the football team each summer. In addition, they make mouthguards for athletes in basketball, wrestling, softball, and soccer when requested. The football mouthguard program started in 1994 as UB made the transition from Division III to Division I football. He first initiated this program after obtaining permission from the Athletic Director, the Head Trainer, and the Dean of the dental school.

Informed consent for mouthguard fabrication is obtained for all the athletes and dental impressions are taken of each player in either the football or basketball trainer's room. Disposable plastic trays of several different types and sizes are used with alginate and the impressions are poured in Jade Die Stone.

The mouthguards are vacuum formed and several different machines are available to the students. For the colored mouthguards necessary for football, ProForm laminated material is used. Each guard is trimmed by the students for evaluation and grading by Dr. Croglio to ensure proper fit and

extension. The mouthguards are then delivered to the athletic trainers for delivery to the players. No occlusal equilibration is done but Dr. Croglio is available for adjustments if needed. The athlete's dental cast is kept for replacement mouthguards which may be required during the season.

When asked why he used vacuum formed mouthguards rather than heat pressure laminates, Dr. Croglio said that in his opinion, "there seems to be no evidence (and certainly nothing compelling) that there is a *practical* advantage to using a pressure laminated mouthguard over a vacuform." Given that the bottom line in dental protection is how well something protects teeth, Dr Croglio feels that the literature does not support the idea that a heat pressure mouthguard is more protective than a vacuum formed guard.

There are practical reasons for the students to use the vacuum technique. "First, the students have easy access to vacuforming machines throughout the school. Second, the reality is that unless they have other laboratory needs, it is unlikely that many will have pressure laminating machines available to them or that they will purchase them in the future just to make mouthguards."

The students are taught the heat pressure lamination technique and the differences between the two types are evaluated. For both types, proper model fabrication, careful material manipulation and thickness control are stressed. Dr. Croglio does state that he doesn't "believe that this has to be a one or the other issue. Both techniques are good, both have been shown to be superior to stock or thermoplastic moldable types of mouthguards, and with care when fabricated, both have demonstrated protection from dental injuries in athletes."

Dr. Croglio thinks that most football players wear his guards and usually only about ten players opt to use other types. The athletic trainers are responsible for the supervision of the mouthguards during the season and if they notice excessive wear or poor fit, they will request a new one from Dr. Croglio.

Continued to page 7



Dental Coverage for the Rugby World Cup

The 2007 Rugby World Cup was held this year in France and included teams from 20 countries. There were 48 individual games which were held in ten different cities in France and two outside of France, Endinburgh and Cardiff in the United Kingdom. International Rugby is a very physical sport and is played with a minimum of protective equipment so medical and dental coverage is absolutely essential. An international tournament of this type obviously presents some complicated logistical issues for medical and dental coverage and Dr. Francois Laborde, Tournament Medical Director, was kind enough to describe how the dental needs of the players were handled.

The covering dentist on each match day was an oral and maxillofacial surgeon who was on call at a local hospital. The onsite medical teams were all given two "Save-a–Tooth" kits which could hold the teeth until the athlete could arrive at the hospital. In addition, the medical teams were given a list of recommendations from the International Association for Dental Traumatology to guide them with on site first aid.

Dental coverage was also extended for non-match days in the venue cities at each team's base camps.

Base Camps were each team's home base at the venue city in which they were playing. Coverage was available 24 hours a day, seven days a week. In addition, game officials and the International Rugby Board could utilize the dental coverage as well.

Dr. Laborde stated that the dental injuries which were encountered were less than anticipated and none of the Save-a-Tooth kits were used. This does follow the information we have seen from other major sporting events such as the Olympics. Dr. Laborde listed thirteen dental incidents and of these, eight were caries related. There were two mouthguard replacements, one bridge dislocation, and one "broken tooth." There was one incidence of trauma from a match. The problems represented players from eight different teams, the referees and one International Rugby Board representative.

This year's winner of the Rugby World Cup was South Africa as they defeated England in the final. The 2011 Rugby World Cup will be held in New Zealand. Information on the World Cup and on International Rugby in general can be obtained from the International Rugby Board at www.IRB.com.

University of Buffalo Mouthguard Program continued from page 5

Obviously, Dr. Croglio should be congratulated on both his long term commitment to the sports programs at the University of Buffalo and his development of a sports dentistry lecture series for the dental students and residents. I am very grateful for his input in this short article. It should be obvious however that many of our members run their programs differently. I have often said that our best learning comes from one another and it would be valuable to get input from other members on how they run their programs. We would welcome and encourage any letters to the newsletter which this may have inspired. Address email correspondence to <u>mbyers@insightbb.com</u>. Please put "Mouthguard Program" in the subject line.

Massachusetts **Overturns Mouthguard Mandate** for High School Basketball

The Massachusetts Interscholastic Athletic Association voted to overturn a rule originally instituted in July of 2003 which previously mandated that mouthguards be used for boys and girls high school basketball. In a decision in August of this year, the mandatory use of mouthguards for high school soccer players will remain in place for the upcoming soccer season. These decisions will be in effect for at least two years. The reversal of the basketball mandate was frustrating to many including the Massachusetts Dental Society which had mounted a very ambitious campaign to support the use of custom-fitted mouthguards in the state.

The Sports Medical Committee of the MIAA VOTED UNNAMOUSLY TO MAINTAIN THE MANDATORY REGULATION. The soccer rule was initially overturned in June but without input from the medical committee. Subsequently the mandate was maintained but only after the sports medical committee presented information, research, and documented support from the University of North Carolina, the American Dental Association, and the Academy for Sports Dentistry, the National Athletic Trainers Association, and the Massachusetts Dental Society. Injury reports from the NCAA and from the University of Texas, San Antonio were also presented. Among the members of the Sports Medicine Committee supporting the mandate were Dr. John Richmond, an orthopedist from New England Baptist Hospital, Jeff Stone, head athletic trainer from Suffolk University, and Dr. Paul Epstein, a dentist and member of ASD from Burlington, Massachusetts.

Arguments against the rules were the predictable in the "difficult to speak/difficult to breathe" vein which have been used often. In addition, according to Dr. Epstein, those opposed argued that most guards were loosely fitting and often dropped onto the floor and were replaced without proper washing. This argument was even more strongly voiced for soccer and the lack of cleanliness of the turf. It was pointed out that sports such as football, lacrosse, and field hockey haven't reported any hygiene issues. When the mandates in soccer and basketball were instituted, the Massachusetts Dental Society implemented an ambitious "Grin and Wear It" program to inform dentists and the public about the benefits of mouthguards and especially custom-fitted mouthguards. One of the more innovative initiatives was the creation of a statewide list of dentists who would supply custom-fitted mouthguards to athletes at a reduced rate. The cost was not standardized but Michelle Sanford of the MDS said that she thought that most of the dentists would discount their guards by 20-30%. The rates for custom- fitted mouthguards in Massachusetts were estimated at 35-200 dollars.

Dr. Epstein said that he felt that there were several other reasons for the rule reversal discussions in basketball and soccer. He states that, "The decision making bodies, as well as the coaches, have not had the opportunity to become informed of the scientific information supporting the advantages of wearing mouthguards and are therefore unable to make the correct decisions of making mouthguards mandatory." Also, while he was listed by the MDS as a discount mouthguard provider, Dr. Epstein said that he was never contacted to make a single guard for a non-patient indicating that the student athletes and parents were not taking advantage of this service." And finally, it seemed that the members of the committees were just "not listening to facts" when presented with information on dental injury prevention.

When dental professionals attend sports dentistry lectures they often ask why rule making bodies just mandate the use of mouthguards. Dr. Epstein feels "The answer is the lack of education of the coaches, athletic directors and principals." The Academy for Sports Dentistry supports the use of mandatory mouthguard rules but acknowledges the difficulty in maintaining the rules. This is a very good example of how frustrating it can be to increase the use of mouthguards in high school sports which have a significant oral injury risk.

Academy for Sports Dentistry 2008 Annual Symposium JUNE 19-21, 2008 • ST. LOUIS, MISSOURI

								,						,										
R	E	G	Ι	S	Τ	R	Α	Τ	Ι	0	Ν	I	Ν	F	0	R	Μ	Α	Τ	Ι	0	Ν		
ings; lun	Continental breakfasts on Thursday, Friday and Saturday morn- ngs; lunch on Thursday and the reception on Friday evening are														REGISTRATION FEES Checks must be in U.S. Funds. Credit card payments are accepted. REFUND POLICY									
													A full refund, less a \$35.00 administrative fee, will be made up to											
REGIST Registrat					along	with	vour	check	c or c	redit (card	three weeks prior to the symposium. No refunds after May 23, 2008. Special accommodations												
payment	t to: A	cadei	my fo	or Spo	orts De	entistr	y				ouru													
118 Faye	e Stre										ock or	credit ca	ard pa	mon	t toda	vI (nl	aco tu	no or	nrint)				
			comp	picie	uns jo	un un	<i>iu 111</i>	ui vvit	II you			cicuit ci	nu pu	ymen	i iouu	y: (pi	use ly	pc or	pini)				
Name										_ DDS	or D	MD Spo	use If	Atten	ding _									
Address																								
City							St	tate		Zi	ip		Co	untry										
Office N	umbe	r				F	ax Nu	umbe	r				_ E-ma	uil										
Affiliatio	n																							
SU	IMP	os	IJ	М 2	008	- A	CA	DE	MY	FO	RS	POR	rs r	EN	TIS	ΓRY	. സ	NE	19-	21	. 20	08		
										10					110		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		• • •		, 20	00		
2008 SYMPOSIUM REGISTRATION FEES (All Three Days): Attendees can claim up to 16 hours of CE														ME	MBEF	R BRI	NG A G	COLL	EAGU	JE				
_		5.				ation						Any cur 2008 AS												
Mem									\$450			each no	n-men	nber d	lentist	that tl	ney brir	ng. In	additi	oñ, e	ach nc	on-		
Non-Hygie			tal A	ssista	nts				\$550	.00		member 10% dis		st spo	nsorec	l by ar	ו ASD r	nemb	er will	l also	o receiv	re the		
		ainers		001000																				
					eetings, aks Ro) cognitior	lunch		\$250	.00		Referred	1 by			CD M	anah ar i	Dontio						
						ull symp						#								chod	forme	\ \		
🗖 Stude								-		ary)		
(meals are not included however tickets can be purchased separately) Optional Events: The following event is NOT included in the full													_ % off	of reg	gistrati	on fee	for no	n men	nber r	eferr	als			
Optional symposit												10% discount for non member dentists who are attending with an												
Frida		0						r	\$25			ASD me	ember.											
Optional											11	In the e								ill be	respon	nsible		
sympositi for these									purch	nased		for the 1	10% ba	lance	aue of	n your	registr	ation	iee.					
		-			pouse	s una g	guesa		\$50	.00		Non member dentist registration fee must be paid at the same time as the member registration fees.												
Presidente	-								\$60			as the h	lembe	ricgia	stratio	TICCS.								
MAKE		-	-		то.							HOTEI	DEC	EDVA	TION									
Academ						ieck a	pprop	riate	credi	t card	:	HOTEI Overnigl					Ritz-Ca	arlton	Hotel	are a	vailable	e at a		
	VISA	-		-	terCar	-						special r need to												
												Academ												
Account #Expires Name on Account												are acce your res												
												property	and er	nter th	e code	of AS	DASDA	. This	specia	l rate	e is in e	ffect		
Signature											-	until Ma limited r							eserve	early	, as the	re is a		
Date											—	mmuu	luindei	01100	JIIIS at	the gi	oupian	с. 						
Carrow		uo a ¹ - 1	ati -	fa-			ė							Please	e retu	rn for	m as s	oon a	s pos	sible	to:			
Sympo Additio					event	S									-	-	osiur							
Discou			-														r Spo							
TOTAL							\$					118	8 Faye				364 ● sdenti				62533	3 USA		
			_								РА	F. 8			v vv vv.	sport	suciiti	suy-	asu.0	"S				