

# SOCIETY SCOPE

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## Effects of different aspirin formulations on platelet aggregation times and plasma salicylate concentrations

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### Abstract

**Background:** Early aspirin treatment is widely used to inhibit platelet activity and to reduce morbidity and mortality in patients presenting with an acute myocardial infarction or a stroke. A number of different aspirin formulations have been used for this purpose; however, a comparison of their effectiveness in inhibiting early platelet aggregation has not been determined.

**Methods:** In this study, we determined plasma salicylate concentrations and platelet inhibitory activities at various times after ingestion of three commonly used aspirin formulations: soluble aspirin (Alka-Seltzer), 325 mg; chewed baby aspirin, 324 mg; and whole compressed non-enteric-coated aspirin, 324 mg. Twenty-four healthy volunteers, 18-39 years of age, participated in the prospective single-blinded triple-crossover study. Plasma salicylate concentrations and inhibition of arachidonic acid-induced platelet aggregation were determined on post-dose blood samples collected at 2.5, 5.0, 7.5, 10, 15, 20, 25, 30, and 40 minutes.

**Results:** The median platelet inhibition times for the chewed, soluble, and whole aspirin formulations were 7.5, 7.5, and 10.0 minutes, respectively. Soluble and chewed aspirin were found to inhibit platelet aggregation faster than whole aspirin ( $p < 0.001$ ); however, there were no significant differences in platelet aggregation times between the soluble and chewed formulations ( $p < 0.163$ ). Inhibition of platelet aggregation was found to occur at an average plasma salicylate concentration of 2.46  $\mu\text{g/mL}$ , regardless of method of ingestion.

**Conclusion:** The results indicate that soluble and chewed aspirin inhibit platelet aggregation in a shorter period of time than does whole aspirin and that these modes of ingestion may reduce the incidence of morbidity and mortality in patients presenting with an acute myocardial infarction or stroke.

### Introduction

The beneficial effects of aspirin (acetylsalicylic acid) for the treatment of acute coronary syndromes have been shown in many studies (1-3). The Second International Study of Infarct Survival Collaborative Group (ISIS-2) has shown that aspirin can reduce mortality by 23% ( $p < 0.001$ ) when administered during an acute myocardial infarction (1). These findings have led to the inclusion of aspirin in the 1996 ACC/AHA (American College of Cardiology/American Heart Association) guidelines for the treatment of patients presenting with an acute myocardial infarction or stroke and to a marked increase in the use of aspirin in emergency medicine and in cardiac intensive care departments (3).

The demonstration of aspirin's ability to prevent and reduce the severity of myocardial infarction and stroke has led to a need to more clearly investigate which form of aspirin is most effective in inhibiting platelet aggregation.

The ISIS-2 studies recommended that the aspirin be

*Effects of Different Aspirin - con't on page 4*



### Table of Contents

Effects of Different Aspirin Formulations .....	1
Editor's Page .....	2
President's Message .....	3
Consultant's Corner .....	3
SAFMLS Historical Highlights .....	6
Membership Application .....	7
SAFMLS 2007 Annual Meeting & Exposition .....	9
Invitation to Exhibit .....	10
SAFMLS Sponsorship .....	11
Nominee Requirements for SAFMLS Awards 2007 .....	12
Award Descriptions .....	13
Meeting Room Request .....	14
Workshop & Short Topic Request .....	15
Poster Guidelines .....	16
Call for Nominations .....	17
Board Meeting .....	18
2006-07 SAFMLAS Board of Directors .....	19
Calendar of Events .....	20

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# Editor's Page



Greetings, SAFMLS Members! I am excited to serve as the new editor of your Society Scope. Here's hoping that this, my first issue, will come out without a hitch. I welcome all feedback as to content and format, and am also interested in any ideas for articles for future issues.

As summer comes to a close and we settle in for fall, it's time to start thinking about the upcoming SAFMLS meeting. Our next meeting is set for 25 February – 2 March 2007 in Boston, and is sure to be a great one. Our last meeting in Boston was in 2004, and was a resounding success. Your SAFMLS board met in September to check out the meeting site and continue planning. We have the usual events in store, including the annual Fun Run, and we may even offer an evening tour of Boston, for those interested. We have also invited the Surgeon General for each service to speak at Opening Ceremonies, which will surely make this meeting one not to be missed.

In this issue, you will find everything you need to prepare for the upcoming meeting, including abstract submission forms, award guidelines, vendor exhibit information, and a new member application form. Please feel free to forward the vendor invitation to anyone you feel may be interested in sponsoring an event or setting up an exhibit booth. As for membership, we are always looking for new members! Encourage your fellow lab officers, enlisted, and civilians to join – membership costs only \$15 annually, covers your meeting registration cost, and signs you up to receive this outstanding publication three times a year! Plus, you become eligible to compete for the annual SAFMLS awards.

Also in this issue I've published the winning clinical poster from our 2006 meeting in Reno. I encourage every site to consider submitting a poster or an oral presentation. We all have extensive expertise and experience from which to draw, and from which others can surely benefit. You will also find an article on SAFMLS history, which I summarized from our website. It features some interesting but little-known facts about our organization.

Happy reading!

Capt Jeannette M. Watterson, USAF, BSC, Ph.D.



**The Society Scope is published three times annually:**

Winter	Vol X Number 1	(Deadline: 15 Jan)
Summer	Vol X Number 2	(Deadline 15 May)
Fall	Vol X Number 3	(Deadline 15 Sep)



## President's Message

*Cindy Wilkerson, CDR MSC USN*

Greetings again to everyone!

Have you made plans yet to attend our 2007 annual meeting in Boston, MA? I hope so. The board of directors just returned from our mid-year meeting in Boston. We have a very exciting meeting planned with a few changes/surprises. Please look for information in the next issue of the Scope, which you should receive just prior to the annual meeting in late February.

In my last message, I challenged everyone to get passionate about your laboratory career. Now, I'd like you to put that passion into action by being a presenter at our annual meeting. Find a laboratory topic that you are truly interested in or passionate about. Think of a way to put that information into a short topic (30 or 60 minutes in length) or a workshop (two or four hours in length). If you don't want to be in front of a group of people by yourself, have someone else help you in presenting your topic. Do you know of a topic that you would like to learn more about? Let your lab consultant/specialty leader know. They can ask the lab community for volunteers to present on the topic/area of interest.

Would you like to be more involved in SAFMLS? Consider being a member of the board of directors or planning committee. Each year, there is an opportunity for each service to elect Members-at-Large. The President and Vice-President positions are elected each year and rotated among the services. This year, we will also be voting for a new Treasurer. If you aren't interested in elected office, consider being a member of the planning committee. This great group of individuals is responsible for planning every detail of the annual meeting. If you would like to volunteer, let LtCol Brian Casleton, the Vice-President, know. He would be glad to have you as a member of his team!

Again, it is a pleasure to serve as your President. See you in Boston!



## Consultant's Corner

*Col Donna M. Roncarti, USAF*

Some days it doesn't seem like I've been at this job for four years... and then again, sometimes there are those special weeks that seem like years...ah well... such is life in a tremendously changing environment! The Air Force says, "Flexibility is the key to airpower". I say it's the key to life itself – the continuum of things we do; places we go; people we meet, or choices we make, etc.

I have met many people in the past four years. As the Air Force lab consultant, I've had influence on many lives and careers, so I pray I've been a 'help' and not a hindrance to the greater majority. But now, I must say farewell as the Air Force Lab Consultant. I will, however, maintain my position within the DoD Center for Clinical Lab Medicine (CCLM) for another 10-12 months until I retire in Jan 2008.

Col Paul Barnicott, currently stationed at Brooks City-Base, has been named the new AF Lab Consultant and the AF Associate Chief for the Air Force's Biomedical Sciences Corps. His post begins immediately. Col Barnicott will remain at Brooks for the next several months before coming to

CCLM in summer 2007. Please join me in giving him a hearty welcome!!

I have enjoyed working with all of you IMMENSELY and pray your lives will continue to be successful, happy, and rewarding. I will be concentrating now on BRAC, bio-defense, consolidation, and other joint projects via the Lab Joint Working Group and the CCLM. I will truly miss talking with the Air Force officers in particular and trying to get you to volunteer for those 'odd' places! Some of our conversations were very entertaining. Most times they were insightful – especially when I realized just how much your thoughts were almost as important as mine (☺) when it came time to plan your happy and rewarding career!

I wish the SAFMLS bunch every blessing in the future. Take care and never forget integrity, excellence, and service are the most important aspects in life. Apply them everywhere, even if no one is looking! Continue to aim high, be all you can be, and take it full speed ahead – but don't forget to look first! God bless you all.

chewed; however, this recommendation was not based on any clinical studies showing that chewing aspirin is superior to other routes of administration (1).

In this study, we examined three different aspirin formulations and their ability to inhibit arachidonic acid-induced platelet aggregation over the time period of 2.5 to 40.0 minutes. In addition, we determined the plasma salicylate concentrations at each of the time periods.

**Materials and methods**

**Patient population.** Twenty-four healthy volunteers 33.5 (range 18 – 39) years of age participated in this prospective single-blinded, triple-crossover study. The Institutional Review Board approved the study and the subjects provided written informed consent.

**Drug administration.** Each subject was instructed on the proper intake of the aspirin formulation and each subject took the aspirin formulation in the manner directed. The aspirin formulations and mode of ingestion were as follows: a plain compressed non-enteric-coated aspirin tablet containing 325 mg of aspirin (LNK International) swallowed whole, 4 baby aspirin tablets (81 mg) containing 324 mg of aspirin (Major Pharmaceuticals) that were chewed before ingestion, and soluble aspirin (Alka-Seltzer<sup>®</sup>) containing 325 mg of aspirin that was dissolved in water and swallowed. Each subject ingested 120 mL (4.0 oz.) of tap water with their respective formulation.

**Platelet aggregation and plasma salicylate concentrations.** Blood samples were drawn from a cannulated vein prior to ingestion and at 2.5, 5.0, 7.5, 10, 15, 20, 25, 30 and 40 minutes post-ingestion. Inhibition of platelet aggregation was performed on a Chrono-Log 570VS Platelet Aggregometer with an Aggro-Link System (Haverton, PA) with 0.5 mg/mL (1.6 mM) arachidonic acid. Plasma (500 uL) salicylic acid was extracted and analyzed by high-performance liquid-chromatography on a 3.9 x 150 mm Symmetry C-8 reversed-phase chromatographic column (Waters, Milford, MA) with methanol-water-acetic acid (90:20:0.5, v/v) as the mobile phase.

**Statistical analysis.** Median times to inhibit platelet aggregation were compared using Friedman’s test and post-hoc testing was accomplished using signed rank tests. Repeated measures analysis of variance was used to compare the salicylic acid concentrations required to inhibit platelet aggregation for the three aspirin formulations.

**Results**

Table 1 shows the inhibition of platelet aggregation at various time intervals for individuals taking the soluble, chewed, and whole aspirin formulations. Four individuals (16.6%) taking soluble aspirin had full inhibition of platelet aggregation by the first blood draw at 2.5 minutes; however, inhibition of platelet aggregation did not occur until 5.0 minutes for individuals who chewed aspirin or who swallowed the whole aspirin. Five of 24 subjects taking the whole aspirin formulation did not have reduced platelet aggregation until 25 minutes.

**Table 1. Platelet inhibition at various time intervals for individuals taking the soluble, chewed, and whole aspirin formulations.**

Time (minutes)	Soluble Aspirin		Chewed Aspirin		Whole Aspirin	
	Platelet Inhibition	Cumulative Percent	Platelet Inhibition	Cumulative Percent	Platelet Inhibition	Cumulative Percent
2.5	4	16.6	0	0	0	0
5.0	5	37.5	9	37.5	3	12.5
7.5	5	58.3	9	75.0	7	41.7
10.0	6	83.3	4	91.7	2	50.0
15.0	3	95.8	1	95.8	7	79.2
20.0	0	95.8	1	100.0	0	79.2
25.0	1	100.0	0		5	100.0
Total individuals	24		24		24	

Effects of Different Aspirin - *con't from page 4*

The median platelet inhibition times of the chewed and soluble forms of aspirin were 7.5 minutes compared to 10.0 minutes for the whole aspirin formulation ( $p < 0.001$ ). There were no differences, however, in the platelet inhibition times of the chewed and soluble forms of aspirin ( $p < 0.163$ ).

The inhibition of platelet aggregation took place at a plasma salicylate concentration of 2.46  $\mu\text{g/mL}$  for all three aspirin formulations. Repeated measures analysis of variance indicated that the plasma salicylate concentration at which the platelets became non-functional was the same for all three of the aspirin formulations ( $F \{2,38\} = 0.52, p = 0.60$ ).

The plasma salicylate concentrations for the different aspirin formulations are shown in Figure 1. The plasma salicylate level increased the fastest with the soluble aspirin formulation followed by the chewed and the whole aspirin formulations. Repeated measures analysis of variance indicated statistically significant differences over time ( $p < 0.001$ ); however, post-hoc testing revealed that initially the whole form was statistically different from the soluble and chewed forms, and later, the soluble form resulted in much higher concentrations than both the chewed and whole forms.

### Discussion

In this study, we found that the chewed and soluble forms of aspirin inhibit platelet aggregation faster than does whole aspirin. We also found that inhibition of platelet aggregation occurs at a plasma salicylate concentration of 2.46  $\mu\text{g/mL}$  and that this concentration is reached faster when aspirin is taken in the soluble or chewed form than when it is taken in the whole form. Even though there were no statistical differences in platelet inhibition times between the soluble and chewed aspirin forms, our results suggest that platelets may be inhibited faster with the soluble form of aspirin than with the chewed form.

Our study differs from previous studies in that we evaluated platelet activity using a triple-crossover study with three different forms of aspirin. We also examined both platelet function and plasma salicylate concentrations at very early times after aspirin administration (2.5 – 40.0 minutes). Most of the previous studies examined a single form of aspirin on platelet aggregation and at times ranging from 15 to 60 minutes (1-3).

In this study, we examined the most commonly used forms of aspirin. These forms are widely available for emergency and cardiac intensive care use throughout the world. Other aspirin formulations and modes of ingestion should be examined to determine if aspirin is absorbed at a faster rate with

those formulations and if they further reduce the time required to inhibit platelet aggregation. A limitation of this study is the use of a healthy group of subjects that are unlikely to need acute antiplatelet therapy.

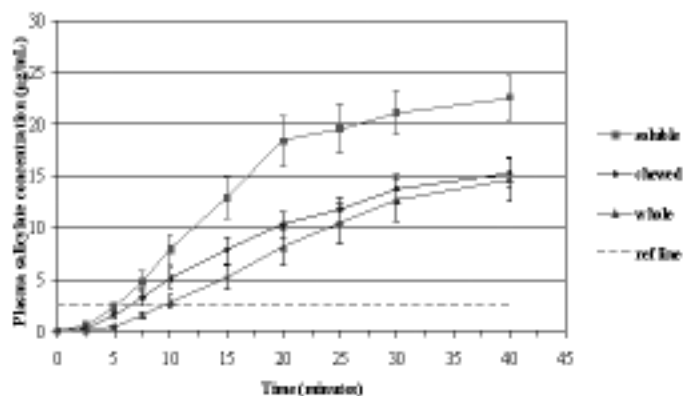
### Conclusions

The results of this study indicate that the soluble and chewed forms of aspirin inhibit platelet aggregation faster than does whole aspirin, that inhibition of platelet aggregation occurs at an average plasma salicylate concentration of 2.46  $\mu\text{g/mL}$ , and that this concentration is reached faster with the soluble and chewed forms of aspirin than with the whole form of aspirin.

### References

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3. Ryan TJ, Anderson JL, Antman EM, Braniff BA, Brooks NH, Califf RM, et al. ACC/AHA guidelines for the management of patients with acute myocardial infarction. A report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on Management of Acute Myocardial Infarction). *J Am Coll Cardiol.* 1996;28:1328-428.

**Figure 1.** Plasma salicylate concentrations with different aspirin formulations (Mean  $\pm$  SE). Reference line depicts times for the different aspirin formulations to reach a salicylate concentration of 2.46  $\mu\text{g/mL}$ , the average salicylate concentration at which inhibition of platelet aggregation was seen.



## SAFMLS Historical Highlights

*Adapted from "Our History," by Suellyn Wright Novak, Col, USAF, BSC (Ret)*

For the complete history of SAFMLS, check out our website: [www.safmls.org](http://www.safmls.org)

SAFMLS began as an annual USAF clinical laboratory meeting attended by a small number of lab officers. The first USAF Medical Laboratory Symposium was held 17-19 February 1959 at Lackland AFB TX. Our first awards presentation, held in 1964, was an evening banquet held at the Officers' Club. February 1965 brought the first seminar format for lab officers to share their expertise on administrative and technical aspects of lab management. The first industry-sponsored workshops appeared at the 1966 meeting, along with the first President's Reception.

In 1970, the 12<sup>th</sup> annual symposium was held in Atlanta, and led to the creation of the Society of *Air Force* Medical Laboratory Scientists. The organization became incorporated in the State of Maryland in 1971. The society had 127 members at that time, and objectives were to (1) promote health and improve patient care, (2) improve quality of laboratory procedures and techniques for diagnosis, (3) establish voluntary standards for performance, and (4) stimulate interest in research in medical laboratory sciences. It was at this time that the idea of a tri-service society gained momentum, and during the annual meeting in September 1974, the general membership voted unanimously to become a tri-service organization and change the shield to read "Society of Armed Forces Medical Laboratory Scientists."

Our first meeting as a tri-service organization was in 1975. This was actually the 17<sup>th</sup> annual USAF laboratory symposium, and the fifth annual meeting of "SAFMLS". It was held 29-31 October at the USAF Academy, and was the first meeting to feature greetings from all services. It was also the first to have an official theme, which was "Unity in Laboratory Medicine: An Alliance in Progress." By 1977, the membership had grown to 321, up from 132 in 1974, and began to truly reflect its tri-service emphasis, with 32% Army and 10% Navy members.

SAFMLS meeting attendance hit 1,000 for the first time in 1986, and was held in San Antonio, TX. It was at this meeting that the idea of rotating the presidency among the three services was discussed, and the practice continues to this day. In 1989, a European Chapter of SAFMLS was approved, and it was in that same year that a Fun Run first met with success at the annual meeting (previous attempts were thwarted by weather). The annual meeting in 1991 was canceled due to Operations DESERT SHIELD/DESERT STORM, and in 1992, the charter for the European Chapter was revoked due to inactivity.

In 1994, the membership approved changes to the Constitution and By-Laws to elect the Secretary to a three-year term, as well as to elect seven Members-at-Large. The Members-at-Large are members of the Board, each elected for two years, with two members from each service (with terms expiring on alternate years), plus one enlisted member from any service. SAFMLS coins were introduced in 1994, and in 1997, a SAFMLS homepage was created. As of the 2006 mid-year Board meeting, the membership stood at 722, with 44% Army, 40% Air Force, 15% Navy, and a handful of Reservists. The 2006 annual meeting was attended by 551.

Throughout our brief history, a prevailing theme has been balancing the quality and appearance of our society's publication against the cost. The earliest editions were called "The Proceedings," and started with the first issue on 2 March 1972. In 1988, the name was changed to the Journal of Military Medical Laboratory Science (JMMLS), and efforts were made to get it included in the INDEX MEDICUS. While the publication conveyed a more professional scientific image, it also created a drain on Society funds, and in 1997, it returned to newsletter format with the title, "Proceedings of the Society of Armed Forces Medical Laboratory Scientists." During the 1997 annual meeting, Board members elected to publish three issues per year, and it was noted at the mid-year Board meeting later that year that the new publication had resulted in significant cost savings already. Sometime since then, the publication name changed again to its current "Society Scope." The Board is again investigating the feasibility of upgrading the publication format, without sacrificing our secure financial footing.



## MEMBERSHIP APPLICATION

Name		Rank/Grade	SSN
Br of Svc	Duty Status: Active _____ Reserve/NG _____ Civilian _____ Retired _____		Corps
Duty/Business Address			Phone (    )
Home Mailing Address			Phone (    )

### EDUCATION

Institution, City, State	Dates Attended	Major	Degree	Laboratory Science* Credit Hours

\*Biochemistry, Laboratory Management/Administration, Medical Technology, Anatomical Pathology, Clinical Pathology, Toxicology, Microbiology, Cytology, Biomedical Research, etc.

### CERTIFICATIONS, REGISTRATIONS, LICENSURES (DATES)


### MEDICAL LABORATORY WORK EXPERIENCE (Military/Civilian)

Location	Position Title	Dates

## MEMBERSHIP APPLICATION

**AGREEMENT:** I hereby apply for membership in the Society of Armed Forces Medical Laboratory Scientists and agree to abide by its Constitution and By-Laws and to support its objectives. I understand that acceptance of my dues is contingent upon approval of my application by the Board of Directors.

**ANNUAL DUES:** \$15.00/year. Society dues are payable by 31 December of each year to maintain active membership and to continue receiving the Society Scope. Individuals requesting membership after 1 October will have their enclosed dues credited for the following calendar year.

**NOTE:** Application for membership **MUST** include a recommendation from a SAFMLS member, so indicated by entry of the member's printed name and signature in the space provided below.

\_\_\_\_\_  
SAFMLS Member's Name (please print) and Signature

\_\_\_\_\_  
Applicant's Signature

Send this application (with dues) to the Secretary"

CDR Christine Howe  
SAFMLS Secretary  
804 Wakedale Arch  
Chesapeake, VA 23322

Check should be made payable to "Society of Armed Forces Medical Laboratory Scientists" (SAFMLS)

For Use of Board of Directors:

Board Actions

Date:

\_\_\_\_\_ Approved

\_\_\_\_\_ Disapproved

Membership Category:    \_\_\_\_\_ Regular Member    \_\_\_\_\_ Associate Member    \_\_\_\_\_ Honorary    \_\_\_\_\_ Emeritus

Comments:

\_\_\_\_\_  
Secretary, SAFMLS



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## The Society of Armed Forces Medical Laboratory Scientists (SAFMLS) 2007 Annual Meeting and Exposition

I invite you to exhibit at our annual convention being held at the Sheraton Boston Hotel, February 2007. The Vendor Exhibition is scheduled for Tuesday and Wednesday, 27 – 28 February 2007. SAFMLS is a non-profit professional society of medical scientists, technologists, technicians, managers and physicians in the Army, Navy, Air Force, Public Health and Department of Veterans Administration. Last year's meeting in Reno, NV registered 500 attendees. The purpose of the meeting is primarily educational. Topics presented include laboratory management, microbiology, toxicology, epidemiology, chemistry, coagulation, hematology, transfusion medicine, original research and military specific topics that have been commonly reported in the press such as Gulf War Syndrome, the DNA identification laboratory at the Armed Forces Institute of Pathology and Weapons of Mass Destruction detection.

This is the major scientific meeting of the year for most of these participants and they will travel from locations all over the world to meet with you. This will be the only opportunity many of them have to learn about your organization and products first hand. Many vendors find this meeting a 'must do' because it is attended by nearly every Lab Manager in the Department of Defense.

Our members are the very managers making buying decisions in their medical treatment facilities. Attendance represents all three uniformed services and normally tops 450. We frequently have 80-100 vendors showing their products and we ensure no other conference events are scheduled during the Exhibit hours so you'll have the full attention of the attendees.

### Join US!

Although the Armed Forces are faced with many challenges in laboratory medicine, we are committed to a team effort to make military medicine succeed. Thanks to the devoted personnel in the Armed Forces and the vendors who make military medicine a reality, we will continue to thrive for many years. When you register to exhibit your product at this convention, you are showing your support for Military Medicine and ensuring the future meetings of this Society.

### Why Boston?

Boston, MA is a great venue for SAFMLS. Located in the heart of downtown Boston, the Sheraton Hotel is an exciting world-class hotel offering all the amenities in food and entertainment you have come to expect from a first class conference center. The exhibition hall (Hynes Convention Center) is connected to the Sheraton. Transportation from the airport is easy and a short 15 minutes away.

#### Sheraton Boston Hotel

39 Dalton Street · Boston, Massachusetts 02199 · United States



All guests should make their reservations directly through the Starwood Central Reservation Office (1-800-325-3535). **It is important that you identify yourselves as members of the SAFMLS 2007 Annual Meeting to receive the conference rate.**

Greyhound Exposition Services (GES) will be the decorator for the show. GES National Servicer(SM) **1-800-475-2098**; Fax: 1-866-329-1437; [servicer@gesexpo.com](mailto:servicer@gesexpo.com)

**Complete your booth application by using the attached form. Sign up early to ensure a prime location in the exhibit hall.**

Bailey H. Mapp, Lt Col, USAF, BSC  
Exhibits Coordinator  
Email: [bailey.mapp-02@andrews.af.mil](mailto:bailey.mapp-02@andrews.af.mil)



**Invitation to Exhibit**  
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**Vendor Exhibition 27 – 28 February 2007**

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**Please note: SAFMLS reserves the right to make any changes to the SAFMLS preliminary floor plan and to make booth re-assignments that may be necessary for the overall benefit of the SAFMLS event, but will do their best to keep you in your originally requested/assigned booth location.**



**Would you be interested in a SAFMLS Sponsorship opportunity?**

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<b>Hospitality evening</b>	_____	_____
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<b>Continental Breakfast (\$1,500)</b>	_____	_____
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**The Society of Armed Forces Medical Laboratory Scientists (SAFMLS) and the United States Military Medical facilities worldwide would like to take this opportunity to thank you all for your continued interest and support.**

**Check us out on the Internet at [www.safmls.org](http://www.safmls.org)**

**Sheraton Boston Hotel**

39 Dalton Street · Boston, Massachusetts 02199 · United States

All guests should make their reservations directly through the Starwood Central Reservation Office (1-800-325-3535) identifying themselves as members of the SAFMLS 2007 Annual Meeting and the hotel as the Boston Sheraton.



## Nominee Requirements for SAFMLS Awards 2007

- Nominees **must be a regular member of SAFMLS** (enlisted nominees may be associate members) with a **minimum time of one year** as a member of SAFMLS **prior to nomination. Must be a member in good standing (dues paid up) to be nominated for ANY SAFMLS award.**
- Must be in the appropriate pay grade at time of award receipt
- Accomplishments cited must be within three calendar years of nomination date
- Individual must not have received the award for which they are being nominated within the past three years
- May be nominated for any accomplishments that advance the practice of clinical laboratory medicine at the laboratory, installation, or headquarters level to include but not limited to:
  - Leadership
  - Management
  - Job knowledge
  - Innovation
  - Resource savings
  - Training
  - Significant non-laboratory accomplishments will be considered, but only as they apply to the whole person concept
- Activities promoting SAFMLS are viewed in a positive manner. These may include but are not limited to:
  - Committee membership
  - Written contributions to the newsletter
  - Workshop/Short Topic presentations
  - Poster presentations
  - Annual meeting committee involvement
- Nominations for the award **must include** which award you are nominating the person for **AND:**
- Brief biographical sketch of nominee, not to exceed one 8 ½" X 11" page
- Description of accomplishments **limited to two double-spaced 8 ½" X 11" pages** with one-inch margins and type no smaller than 11 characters per inch

Submit nominations NLT 15 December 2006 to the Awards Committee Chairperson. Awards can be sent via email in PDF format or mailed to:

LTC Linda Guthrie  
Lab Manager  
Department of the Army  
WAMC Stop A  
2817 Reilly Road  
MCXC-PA  
Ft. Bragg, NC 28314-7301  
Phone: 910-907-8924

Linda.Guthrie@us.army.mil

## AWARD DESCRIPTIONS

Each year SAFMLS members have the opportunity to nominate outstanding members for a variety of awards. Nominations are submitted to the awards chairperson. A committee of ex-officio board members select the awardees. If you are interested in nominating one or more individuals for any of the following awards, please read through the nomination criteria found in this issue of the Society Scope and submit your nomination packages by 15 December 2006 to LTC Kevin M. McNabb. See contact information on Nominee Requirements page.

### **OUTSTANDING CLINICAL SCIENTIST**

Designed to recognize outstanding contributions by an association laboratory officer in pay grades O-1 through O-3 who has excelled in clinical laboratory operations, laboratory management, or as a staff officer, with special emphasis on advancing the growth and professional goals and objectives of SAFMLS. Individual should have demonstrated outstanding leadership in pursuit of excellence for his or her country and service.

### **OUTSTANDING LABORATORY MANAGER**

Designed to recognize outstanding contributions by an association field grade officer in pay grades O-4 through O-5 who has excelled in laboratory management, either directly or as a staff officer, with special emphasis on advancing the growth and professional goals and objectives of SAFMLS and the practice of laboratory medicine. Individual should have demonstrated outstanding leadership in pursuit of excellence for his or her country and service.

### **OUTSTANDING ENLISTED SERVICE MEMBER**

Designed to recognize outstanding contributions by an association enlisted service member who has excelled in clinical laboratory operations, laboratory management, or as a staff NCO, with special emphasis on advancing the growth and professional goals and objectives of SAFMLS and the practice of clinical laboratory medicine. Individual should have demonstrated outstanding leadership in pursuit of excellence for his or her country and service.

### **OUTSTANDING RESERVE/GUARD LABORATORIAN**

Designed to recognize outstanding contributions by an association reserve/guard member who has excelled in clinical laboratory operations, laboratory management, or as a staff officer/NCO with special emphasis on advancing the growth and professional goals and objectives of SAFMLS and the practice of clinical laboratory medicine. Individual should have demonstrated outstanding leadership in pursuit of excellence for his or her country and service.

### **OUTSTANDING CLINICAL RESEARCH SCIENTIST**

Designed to recognize outstanding contributions by an association member in pay grades E-1 through O-5 who has been involved in clinical research activities promoting laboratory science, with a special emphasis on advancing the growth and professional goals and objectives of SAFMLS and the practice of laboratory medicine. Individual should have demonstrated outstanding leadership in pursuit of excellence for his or her country and service.

### **DISTINGUISHED SERVICE AWARD FOR EXCELLENCE**

Designed to recognize substantial contributions above and beyond normal expectations by an association member who has promoted and advanced the growth and professional goals of SAFMLS and the practice of clinical laboratory medicine. Individual should have demonstrated outstanding leadership in pursuit of excellence for his or her country and service. All nominations will be forwarded to last year's president who will chair a selection committee for the recipient of the award.

## SAFMLS 2007 ANNUAL MEETING SPECIAL MEETING ROOM REQUEST

Title/Function:

Date Required:

Time Range:

Maximum Enrollment:

Meeting Type (e.g., restricted workshop, breakout):

### AUDIOVISUAL SUPPORT

Overhead Projector:

35 mm Slide Projector:

Slides Carousels (*number*):

Video Player and Monitor:

PowerPoint Projector:  (*workshops and short topics only*)

Other, Specify:

***NOTE: Laptops will NOT be available in the special meeting rooms. Laser pointers will be available at the information desk (advance request not required).***

### MEETING ROOM AND SUPPLY REQUIREMENTS

Paper (*type/number*):

Room Size:

Pencils/Pens:

Tables (*type/number*):

Flip Chart with Markers:

Arrangement of Tables:

Other, Specify:

### PRESENTER/MODERATOR

Name:

Rank:

Branch:

Corps:

Address:

Phone:

Fax:

E-mail Address:

DSN:

If you need a room for a Special Meeting, please complete this application and forward to the Point of Contact below.

**Mail, Fax, or e-mail to:**

**Lt Col Brian Casleton  
859 MDTS/MTLLC  
2200 Bergquist Dr, Ste 1  
Lackland AFB, TX 78236**

**Voice: 210.292.2156  
FAX: 210.292.7484  
DSN: 554.2156  
brian.casleton@lackland.af.mil**

**For Audiovisual questions contact Capt Julie Johnson**

**Voice: 843.963.6843  
DSN: 673.6843  
julie.johnson@charleston.af.mil**

**APPLICATIONS MUST BE RECEIVED BY 15 DEC 2006**

## SAFMLS 2006 ANNUAL MEETING WORKSHOP & SHORT TOPIC PRESENTATIONS

Please select between short topic presentations or workshop. Select the appropriate length of your presentation.

<input type="checkbox"/> SHORT TOPIC	<input type="checkbox"/> 30 minutes	<input type="checkbox"/> 60 minutes	<input type="checkbox"/> WORKSHOP	<input type="checkbox"/> 2 Hour	<input type="checkbox"/> 4 Hour
--------------------------------------	-------------------------------------	-------------------------------------	-----------------------------------	---------------------------------	---------------------------------

### PRESENTER/SPEAKER

Name:	Rank:	Branch:
Mailing Address:		
E-mail:	Phone:	DSN:
		Fax:

### AUDIOVISUAL SUPPORT

35 mm Slide Projector: <input type="checkbox"/>	Slides Carousels ( <i>number</i> ):
Video Player and Monitor: <input type="checkbox"/>	LCD (PowerPoint type) Projector: <input type="checkbox"/>
Computer Audio: <input type="checkbox"/>	Wireless Mic: <input type="checkbox"/>
	Other, Specify:

NOTE: Laptops will only be provided at the Short Topics sessions. All workshop presenters must provide their own laptop. **Please only mark what you really need — we are charged for these items and it is expensive.**

### PRESENTATION

Title:	Maximum enrollment:
Objectives: Please list 3 objectives participants will take from your presentation. This is required for CME accreditation.	
Objective 1:	
Objective 2:	
Objective 3:	

Mail, Fax, or e-mail to:

WORKSHOPS:

**Maj Imelda Catalasan**  
**AFIP/CCLM**  
**Bldg 54, Rm G0133**  
**6825 16th St NW**  
**Washington, DC 20306**

**Imelda.catalasan@afip.osd.mil**  
**Phone: (202) 782-2582**  
**Fax: (202) 782-6022**  
**DSN 662**

SHORT TOPICS:

**LTjg Deirdre E. Desmond**  
**National Naval Medical Center**  
**Client Services Division - Laboratory**  
**8901 Wisconsin Ave**  
**Bethesda, MD 20889**

**DEDesmond@Bethesda.med.navy.mil**  
**Phone: (301) 319-8774**  
**Fax:**  
**DSN**

In addition to this completed form, please e-mail abstracts and presenter's curriculum vitae (CV) in Microsoft Word format to address above. CV's are limited to one page only. Abstracts will be published in 2006 SAFMLS Meeting Program. If you do not receive confirmation within 3 days please call to verify submission.

APPLICATIONS MUST BE RECEIVED BY 16 DEC 2006

## POSTER GUIDELINES AND APPLICATION

To all SAFMLS members and prospective 2007 SAFMLS meeting attendees: Submitting a poster is an excellent way to participate and demonstrate your laboratory's accomplishments. Both clinical and research categories may be submitted. Many creative topics have been submitted during past meetings and have included, but are not limited to, the following:

- Correlation Studies
- Cost Analyses
- Management Issues
- Deployment Adventures
- Basic Science Research
- Applied Research
- New Method Development
- Collaboration Experiences

Awards for the best clinical and research posters will be selected during the meeting by members of the Awards Committee, and the winners will be recognized at the Awards Ceremony. Criteria for grading the posters include the following: Length and clarity of the purpose and hypothesis; clarity of methods, procedures, or applicable approaches in answering the hypothesis; clarity of the results and conclusions derived; use of graphs, photos, text and tables to assist in analysis of information presented; and overall quality of the poster. **It is required that the author(s) of the poster be present during the judging process in order to answer questions.**

To submit your abstract(s), complete the following document. Abstracts must include a purpose and hypothesis, materials and methods, results, and conclusions. Please ensure that a one-page CV for the first author accompanies each abstract submission.

### SAFMLS 2007 ANNUAL MEETING POSTER APPLICATION

**TITLE:**

**AUTHORS:**

**LOCATION:**

**ABSTRACT:**

**1<sup>st</sup> Author's e-mail address:**

**1<sup>st</sup> Author's mailing address:**

**1<sup>st</sup> Author's phone number:**

E-mail completed submission forms to Maj Clarence Gagni at [clarence.gagni@travis.af.mil](mailto:clarence.gagni@travis.af.mil). If you have questions you can e-mail or call (707) 423-7615 or DSN 799-7615. Thank you.

**APPLICATIONS MUST BE RECEIVED BY 15 DEC 2006**



## CALL FOR NOMINATIONS FOR 2007 SAFMLS BOARD POSITIONS

- **Open Positions:** President-Elect (Air Force Nominee), Vice President (Navy Nominee), Treasurer, Army/Navy/Air Force Members-at-Large, Enlisted Member-at-Large
- Nominee must be a regular member of SAFMLS, not anticipating retirement within the next year, and must be willing and able to attend board meetings.
- Send the following to the SAFMLS Secretary, CDR Chris Howe: Christine.Howe@mar.med.navy.mil. Phone: 757-953-1698/DSN: 377-1698
  - Nomination Letter
  - Letter of Intent (1 page)
  - Picture (electronic preferred)
  - CV (1 page)
- The Officers of the Society shall be, by order of succession, President, Vice-President, Treasurer, and Secretary. A conscious effort should be made to effect multiple agency representation among the Officers of the Society and under no circumstances will the President be from the same service for more than two consecutive terms.
- The Officers and a President-Elect shall be elected annually from among the commissioned officers of the Society by majority vote during the Business Session at each Annual Meeting, with the exception of the Treasurer and Secretary, who shall be elected for a three-year term.
- The Officers shall take office at the conclusion of each Annual Meeting, and shall be responsible for the affairs of the Society during the following year, and for the conduct of the succeeding Annual Meeting.
- The President-Elect will serve as a Society President the year following the term of office of the current President, and shall serve during this interim period as a non-voting member in all meetings of the Board of Directors, unless the President-Elect qualifies as a voting member under Articles IV or V or the Bylaws.
- The Vice President, in the event the President is unable to serve, shall assume all of the President's functions.
- There shall be seven Members-at-Large, each elected for a period of two years. Six of the seven Members-at-Large shall be Commissioned Officer Members, with not more than two members from any one service. In addition, one term for each service will expire each year. The seventh Member-at-Large will be an Enlisted Member representing any service. Each Member-at-Large will have one vote.



Sheraton Boston

# Meet Us In Boston

Feb 25 - March 2, 2007

Boston, MA is a great venue for SAFMLS. Located in the heart of downtown Boston, the Sheraton Hotel is an exciting world-class hotel offering all the amenities in food and entertainment you have come to expect from a first class conference center. The exhibition hall (Hynes Convention Center) is connected to the Sheraton. Transportation from the airport is easy and a short 15 minutes away.

## **Sheraton Boston Hotel**

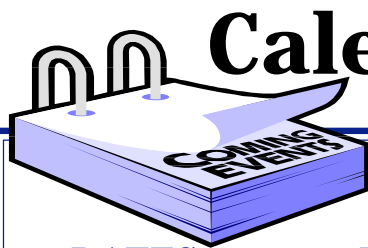
39 Dalton Street · Boston, Massachusetts 02199

All guests should make their reservations directly through the Starwood Central Reservation Office (1-800-325-3535). **It is important that you identify yourselves as members of the SAFMLS 2007 Annual Meeting to receive the conference rate.**

Greyhound Exposition Services (GES) will be the decorator for the show. GES National Servicer(SM) **1-800-475-2098**;  
Fax: 1-866-329-1437; [servicer@gesexpo.com](mailto:servicer@gesexpo.com)

## 2006-2007 SAFMLS Board of Directors

Rank	First Name	Last Name	Service	Position	E-mail
CDR	Brenda	Bartley	USN	Member-at-Large	<a href="mailto:navy.member1@safmls.org">navy.member1@safmls.org</a>
SFC	Nathan	Bonds	USA	Enlisted Member-at-Large	<a href="mailto:enlisted.member@safmls.org">enlisted.member@safmls.org</a>
COL	Mark	Brissette	USA	Ex-Officio	<a href="mailto:army.path.ex-officio@safmls.org">army.path.ex-officio@safmls.org</a>
Maj	Brian	Casleton	USAF	Vice President	<a href="mailto:vice.president@safmls.org">vice.president@safmls.org</a>
CDR	Larry	Ciorlito	USN	Ex-Officio	<a href="mailto:navy.mt.ex-officio@safmls.org">navy.mt.ex-officio@safmls.org</a>
LTC	Danny	Deuter	USA	Historian	<a href="mailto:historian@safmls.org">historian@safmls.org</a>
CDR	Michael	Finch	USN	Webmaster	<a href="mailto:webmaster@safmls.org">webmaster@safmls.org</a>
Maj	Norman	Fox	USAF	Past President	<a href="mailto:past.president@safmls.org">past.president@safmls.org</a>
LT	Aaron	Harding	USN	Member-at-Large	<a href="mailto:navy.member2@safmls.org">navy.member2@safmls.org</a>
CDR	Chris	Howe	USN	Secretary	<a href="mailto:secretary@safmls.org">secretary@safmls.org</a>
LCDR	Brian	Ivey	USN	Treasurer	<a href="mailto:treasurer@safmls.org">treasurer@safmls.org</a>
LtCol	Brian	Kendall	USAF	Ex-Officio	<a href="mailto:air.force.path.ex-officio@safmls.org">air.force.path.ex-officio@safmls.org</a>
CDR	Dave	Larson	USN	Ex-Officio	<a href="mailto:navy.path.ex-officio@safmls.org">navy.path.ex-officio@safmls.org</a>
LTC	Michael	Lopatka	USA	Member-at-Large	<a href="mailto:army.member1@safmls.org">army.member1@safmls.org</a>
Maj	Marybeth	Luna	USAF	Member-at-Large	<a href="mailto:air.force.member1@safmls.org">air.force.member1@safmls.org</a>
MAJ	Paul	Mann	USA	Member-at-Large	<a href="mailto:army.member2@safmls.org">army.member2@safmls.org</a>
LtCol	Bailey	Mapp	USAF	Conference Director / Site Selection	<a href="mailto:conference.director@safmls.org">conference.director@safmls.org</a>
LTC	Kevin	McNabb	USA	President-Elect	<a href="mailto:president.elect@safmls.org">president.elect@safmls.org</a>
Col	Donna	Roncarti	USAF	Ex-Officio	<a href="mailto:air.force.mt.ex-officio@safmls.org">air.force.mt.ex-officio@safmls.org</a>
Maj	Richard	Schoske	USAF	Member-at-Large	<a href="mailto:air.force.member2@safmls.org">air.force.member2@safmls.org</a>
Capt	Jeannette	Watterson	USAF	Editor, The Society Scope	<a href="mailto:scope@safmls.org">scope@safmls.org</a>
COL	Noel	Webster	USA	Ex-Officio	<a href="mailto:army.mt.ex-officio@safmls.org">army.mt.ex-officio@safmls.org</a>
CDR	Cynthia	Wilkerson	USN	President	<a href="mailto:president@safmls.org">president@safmls.org</a>



# Calendar of Events

## DATES

## MEETING INFORMATION & LOCATION

### December 2006

Dec 9-12

American Society of Hematology, 48<sup>th</sup> Annual Meeting and Exposition, Orlando, FL

### February 2007

Feb 22-24

ASCLS Clinical Laboratory Educators Conference, Louisville, KY

Feb 25 – Mar 2

Society of Armed Forces Medical Laboratory Scientists (SAFMLS), Boston, MA

Feb 27 – Mar 2

ASM Biodefense and Emerging Disease Research Meeting, Washington, DC

### March 2007

Mar 24 – 27

CLMA ThinkLab '07, Houston, TX

Mar 25 – 29

Society of Toxicology, Charlotte, NC



### SOCIETY SCOPE

P. O. Box 2549

Fairfax, VA 22031-0549

[www.safmls.org](http://www.safmls.org)

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