

# SYMPOSIUM PROGRAM



## Translational Medicine In Hyperbaric Practice

The 8<sup>th</sup> Annual International Symposium

*Putting the vision into practice*

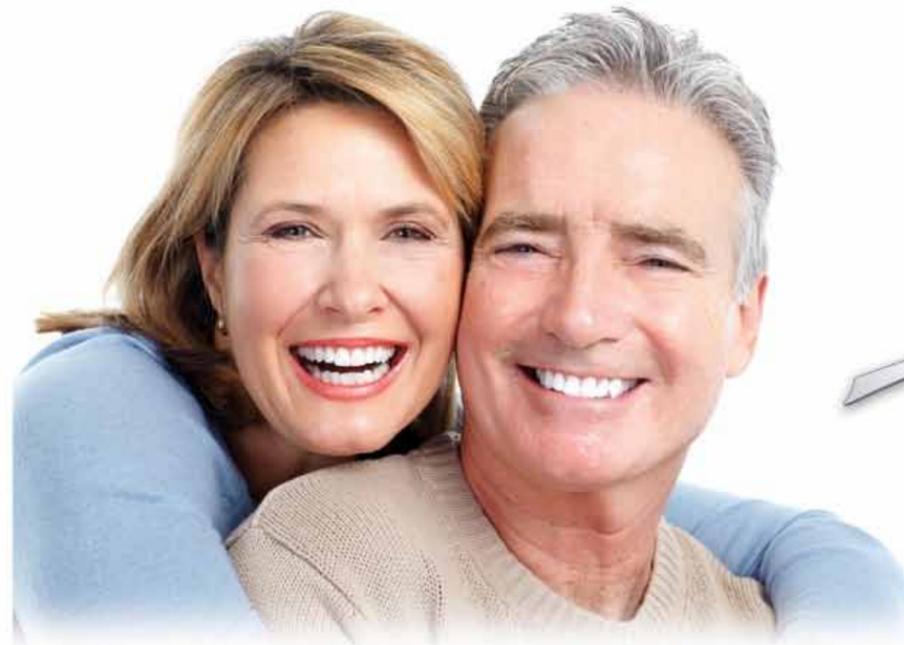


AUGUST 9 -12, 2012      LONG BEACH, CALIFORNIA



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

# AMEN CLINICS CREATES BRAIN HEALTHY LIVES

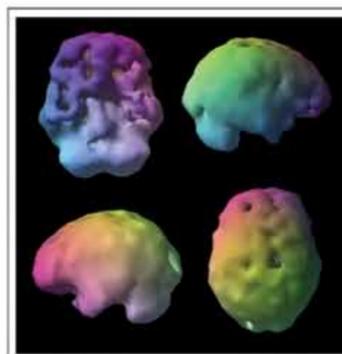


## WHEN YOU ARE TREATING COMPLEX PATIENTS — WE CAN HELP

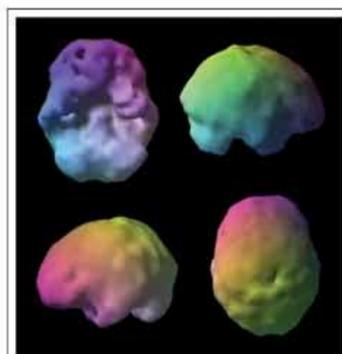
At Amen Clinics, we understand the impact brain injuries can have on a person's life. We offer a comprehensive approach to diagnosing and treating Brain Injury: From neuropsychological, neurocognitive and functional neuroimaging, to supplements, neurofeedback and HBOT.

We are a comprehensive brain treatment center, utilizing non-invasive oxygen therapy to treat a wide variety of medical conditions:

- Traumatic Brain Injury
- Post-Traumatic Stress Disorder
- Stroke
- Head Injury
- Cerebral Palsy
- Sports Injuries
- Multiple Sclerosis
- Lyme Disease
- Healing After Cosmetic Surgery
- ADD/ADHD
- Autism



TRAUMATIC BRAIN INJURY BEFORE  
HYPERBARIC OXYGEN THERAPY



TRAUMATIC BRAIN INJURY AFTER  
HYPERBARIC OXYGEN THERAPY

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PROFESSIONAL AFFILIATE PROGRAM, CALL US TODAY AT (888) 564-2700.



## WELCOME TO THE 8TH INTERNATIONAL HYPERBARIC SYMPOSIUM



Stephen D. Reimers, MS, PE

It is my great pleasure to welcome you to HBOT2012. My colleagues in the International Hyperbaric Medical Association (IHMA) have been supporting this Conference & Expo since the late Richard Neubauer, M.D. recognized the importance and duty of educating others.

The IHMA also extends a heart-felt "thank you" to Donald Jolly-Gabriel, Ph.D., who supported Dr. Neubauer's legacy by orchestrating the last two HBOT symposiums. We all have a collective responsibility to continue to educate others in the future and the IHMA was delighted to be at the forefront in organizing this years' event.



This year, we are honored to have many eminent speakers and dedicated researchers here to share their knowledge. Particular mention goes to Paul Harch, M.D., who is playing a major role and to Philip James, M.D., who has once again travelled across the Atlantic in order to share his expertise and wisdom! Thank you all.

At the risk of imparting a sense of urgency to this meeting, let me describe a major challenge that we face.

**Problem:** How to recognize and deploy a new treatment where the conventional medical economic drivers (e.g. profit motive) don't work, yet there is a clear and urgent need on a massive scale.

Opportunity, but with a challenge: In the case at hand, the need is for an effective treatment for mild/moderate traumatic brain injury (mTBI), whether that injury is from combat or other causes. The HBOT Community has a treatment that has been safely used to certain forms of brain injury (neurologic decompression sickness, air embolism, 3 other currently reimbursed conditions), some for several decades. There is now substantial evidence that HBOT, used correctly, is also an effective treatment for mTBI. However, there are not yet any published studies that qualify as Level I evidence, a customary, but not necessarily sufficient, key to unlocking broad scale deployment of a new treatment.

Meanwhile, patients with urgent needs are accumulating rapidly, and in numbers sufficient to affect the health care and social safety net budgets at all levels of government. Living with a brain injury can be a very miserable experience as well as a significant burden on family and friends. The increasing suicide rate among veterans also suggests a growing lack of confidence in that community that relief is possible at any time soon.

**Potential Solution:** Resources and mechanisms currently exist that are sufficient to support a swift, medium scale deployment under controlled circumstances whereby lives can be restored, hope can be restored for those in waiting and at the same time the evidence required to support eventual unrestricted deployment can continue to be accumulated. This approach is eligible for possible support by Medicare, where it is known as "Coverage with Evidence". The accumulating evidence can lead,

if still needed, to the justification required to support the commitment of resources, probably public funds, required to support a Level I clinical trial. If the evidence is sufficiently compelling, it may also lead to the immediate increased deployment.

One example of such a potential solution is the NBIRR observational study executed with Bayesian trial design. Bayesian trial design can be described as research done the traditional way of selecting a condition, treating it in a consistent way, recording what happens then comparing the results with the existing, untreated norm. What is new here is the application of web-based computer data management that permits a huge reduction in the manpower resources required. Like most tools, Bayesian techniques fit some circumstances well, others not so well. However, for a chronic stable condition like mTBI, it fits very well.

One of the goals of this meeting is to promote a greater understanding of the issues described above.

Other goals of the IHMA and its sister organization, the International Hyperbaric Medical Foundation (IHMF) are to:

- Bring the ability to do respectable, yet affordable, research into the reach of the HBOT community through an enhanced versions of the NBIRR study.
- Encourage the expansion of HBOT into existing care pathways wherever it makes economic sense. (Please see the presentations on HAPI and HOPS.)

Welcome to HBOT2012. Your feedback is valued and invited.

Sincerely yours  
Stephen D. Reimers  
Chief Financial Officer  
International Hyperbaric Medical Association & Foundation

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Care Designs For Health



Breakfast (Friday)  
Designs For Health



Cocktail Party (Thursday):  
Amen Clinic



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## CONFERENCE OBJECTIVES

DAY 1 – FRIDAY, AUGUST 10TH

Translational medicine, the practice of turning bench science into bedside practice, has been challenging since the beginning of medicine. The federal government and health care policy makers have been wrestling with how to drive warranted changes through the health care system to improve patient outcomes, increase medical treatment effectiveness and ultimately lower the costs of care.



Profit to the hospital and to the treating physicians is truly the best way to implement bench science into bedside practice. If discoveries can decrease patient stay, decrease physician and health care provider time commitments, while greatly improving patient outcomes, they can be adopted quickly.

### Each attendee should:

- Develop an understanding of how the 13 current FDA-approved indications for hyperbaric medicine are related to the underlying biological and physiological actions of oxygen saturation in human tissues.
- Develop an understanding of the practical uses of translational medicine in clinical practice.
- Develop an understanding of how to participate in registered translational medicine studies and how these relate to potential improved patient outcomes.
- Develop an understanding of the societal impact of untreated brain insults.
- Develop a greater appreciation for patient behavior and challenges, especially by those who have experienced brain insults from trauma, military operations, or other events.
- Understand the implications of hyperbaric medicine on acute combat casualty care and its potential impact for improving emergency room operations and patient outcomes.
- Understand the basic protocol and scientific reasoning and results from the National Brain Rescue and Rehabilitation Project's NBIRR-01 study (NCT01105962)
- Understand the process necessary to create routine payments from third party payers for this new use for indication number 6.
- Develop an understanding of the basic concepts and protocols for the Hyperbaric Amputation Prevention Initiative and how it integrates with a practitioners current practice.
- Develop a greater understanding for Necrotizing Soft Tissue Infections, an approved indication.
- Develop an understanding of the process of diagnosing and potentially improving patient outcomes for autistic patients.
- Develop an understanding of the potential impact of HBOT on patients with cerebral palsy or fetal alcohol syndrome diagnoses.
- Develop a better understanding the treating acute brain insult patients and how oxygen debt and oxygen tissue saturation play a potentially significant role in improving patient outcomes.
- Develop an understanding of the integration of hyperbaric medicine into routine hospital operations under the Hospital Outcomes and Profit System (HOPS)
- Develop a greater understanding of the causes of a hospital inpatient becoming an outlier and how to assist in preventing this kind of patient deterioration through HBOT and other adjunctive interventions.
- Develop an understanding of the impact of acute and chronic brain insult treatment for key populations including police officers and other first responders, trauma victims and sports concussions.
- Develop a greater understanding of the potential physiological and psychological challenges caused by diabetes disease processes and how to mitigate them using HBOT and other adjunctive metabolic interventions in clinical practice.
  - Prevention of most amputations
  - Improvement in eyesight through HBOT treatment
  - Improving cognitive function for improved patient self-management
  - Understanding and mitigating potential metabolic causes and ways to mitigate Type I and Type II diabetes.
- Potential for improvement of kidney function to prevent dialysis or improve dialysis patient outcomes.
- Understand the principles of treating acute and chronic stroke patients.
- Develop a greater understanding of the use of pre and post surgical protocols to improve patient outcomes.
- Develop an understanding of the process of using results from translational medicine studies to drive improved public policy decisions, practice guidelines and routine payment for hyperbaric and other needed medical services.

**Reception: Thursday, August 9th**  
Expo Hall: 7:00pm to 9:00pm

*Kindly sponsored by Amen Clinic*

**Welcome and Opening Remarks**  
**Meet The Speakers and Exhibitors**

### Registration and Breakfast

*Kindly sponsored by Designs For Health*

**Expo Hall: 7:00am – 8:00am**

### Physiology of Oxygen Saturation Technology. It is not about “bubbles!”



**Hyperbaric Oxygen Therapy, A Re-Appraisal: Scientific Foundations**  
Main Conference Room: 8:00am - 8:45am  
*Paul G. Harch, M.D.*



**Beyond Bubbles: Cellular Biology & DNA Responses to HBOT**  
Main Conference Room: 8:45am - 9:30am  
*James Wright, M.D.*

### Morning Coffee Break

Expo Hall: 9:30am – 10:15am



**21st Century Translational Medicine: Bayesian Analysis & Adaptive Clinical Trial Design**  
Main Conference Room: 10:15am – 11:00am  
*B. Robert Mozayeni, M.D.*



**Oxygen Myths and Misunderstandings**  
Main Conference Room: 11:00am – 12:00pm  
*Philip B. James, M.D.*

### Lunch

Expo Hall: 12:00pm – 1:30pm

### National Brain Injury Rescue & Rehabilitation Project



**Hyperbaric oxygen therapy in chronic traumatic brain injury (TBI): results of the LSU Pilot Trial of HBOT 1.5 in the treatment of chronic blast-induced mild-moderate TBI/post-concussion syndrome and post-traumatic stress disorder.**  
Main Conference Room: 1:30pm – 2:15pm  
*Paul G. Harch, M.D.*



**The National Brain Injury Rescue and Rehabilitation Project (N-BIRR): From Inception to Actualization.**  
Main Conference Room: 2:15pm – 3:00pm  
*Paul G. Harch, M.D. James Wright, M.D.*

### Afternoon Coffee Break

Expo Hall: 3:00pm – 3:30pm

### Hyperbaric Amputation Prevention Initiative (Beyond Wagner Grade III Wounds)



**HAPI: Focus: Is this Patient in Danger of Amputation? Diabetic Foot Wounds, Blunt Trauma, Crush Injury & Compromised Circulation**  
Main Conference Room: 3:30pm – 4:15pm  
*Kenneth P. Stoller, M.D.*



**Chronic Wounds and Non Healing Ulcers**  
Main Conference Room: 4:15pm – 5:00pm  
*Nina Subbotina, M.D.*

### Cocktail Reception & Silent Auction

Main Reception Area: 6:30pm – 7:30pm

### Gala Dinner



**Ocean Ballroom: 7:30pm – 10:00pm**  
**How Richard Neubauer & Edward Teller Saved Hyperbaric Medicine during the Reagan Administration**  
*Keynote Speaker: Robert Moffit, Ph.D.*



*Philip B. James, M.D.*  
Outlining New Book Release

### Lifetime Achievement Awards

- Awards: Pioneers in Hyperbaric Medicine
- Awards: Cutting Edge Science of HBOT
- Award: Public Policy Achievement Award



DAY 2 – SATURDAY, AUGUST 11TH

DAY 3 – SUNDAY, AUGUST 12TH

**Registration and Breakfast**

Expo Hall: 7:00am – 7:45am

**Pediatrics**



NBIRR-08: Autism Spectrum Disorder: Diagnosing the Type of Autism a Patient Has and Crafting a Treatment Program  
Main Conference Room: 7:45am – 8:30am  
*Kenneth P. Stoller, M.D.*



Hyperbaric Oxygen Therapy in the Treatment of Cerebral Palsy: Fetal Alcohol Syndrome  
**Main Conference Room:** 8:30am - 9:30am  
*Paul G. Harch, M.D.*  
*Kenneth P. Stoller, M.D.*



**Morning Coffee Break**

Expo Hall: 9:30am – 10:00am

**Acute/Sub Acute Brain Insults: Prevention of Long Term Disability**



Principles of Resuscitation & Oxygen Debt  
Main Conference Room: 10:00am – 10:45am  
*Keith Van Meter, MD*



The high price of civilian and veteran traumatic brain injury.  
Main Conference Room: 10:45am – 11:30am  
*Nicole Doering*



NBIRR-11: Acute/Sub-Acute Brain Insults  
Main Conference Room: 11:30am – 12:30pm  
*Leo Germin, M.D.*     *Carol Henricks M.D.*

**Lunch**

Expo Hall: 12:30pm – 2:00pm

**Hospital Outcomes & Profit System (HOPS)**



The Principles of HOPS, the Law Enforcement Initiative, & the Public Health Impact of HBOT Translational Medicine Initiatives  
Main Conference Room: 2:00pm – 2:45pm  
*William A. Duncan, Ph.D.*

Sports Injuries & Concussions: Changing Athletic Injuries, Performance and Long Term Disability  
Main Conference Room: 2:45pm – 3:45pm

*Kristen Willeumier, Ph. D.*  
*David Youngblood, M.D.*  
*Kraig Dorner*



**Afternoon Coffee Break**

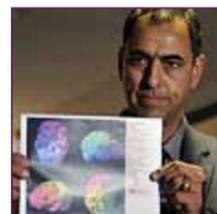
Expo Hall: 3:45pm – 4:15pm



Using Hyperbaric Medicine in Combat Casualty Care (NATO 2001 Paper Updated)  
Main Conference Room: 4:15pm – 5:00pm  
*James Wright, M.D.*



Hyperbaric Facility & Chamber Safety: Standards, Regulations & Practice  
Main Conference Room: 5:00pm – 5:45pm  
*Stephen D. Reimers, M.S., P.E.*



A special evening in the company of George Visger and other leading spokesman in TBI from the world of sport  
Ocean Ballroom: 7:30pm – 9:30pm

**Registration and Breakfast**

Expo Hall: 7:15am – 7:45am

**Changing Expectations: Improving Long Term Outcomes in Neurologically Injured Patients**



A New Look at Neurovascular and Rheumatic Diseases: Borrelia, Bartonella, & Parasitic Infections  
Main Conference Room: 7:45am – 8:30am  
*B. Robert Mozayeni, M.D.*



Adjunctive Hyperbaric Oxygen Therapy in the Treatment of Cancer  
Main Conference Room: 7:45am – 8:30am  
*Paul G Harch, M.D.*

**3 winners chosen by the HBOT2012 Adjudication Panel to present for 15 minutes and 5 minutes Q & A**

Main Conference Room: 9:15am – 10:15am  
*Poster Presenters*

**Morning Coffee Break**

Expo Hall: 9:30am – 10:00am



The use of HBOT in substance abuse recovery  
Main Conference Room: 10:45am – 11:30am  
*Ralph Potkin, M.D.*



1. HBOT and acoustic trauma/acute hearing loss  
2. CO Poisoning and HBOT  
Main Conference Room: 11:30am – 12:30pm  
*Nina Subbotina, M.D.*

**Boxed Lunch**

Main Conference Room: 12:30pm – 12:45pm



Treating Acute & Chronic Stroke: (NBIRR-10 & NBIRR-04)  
Main Conference Room: 12:45pm – 1:45pm  
*Leo Germin, M.D.*



**Closing Remarks**  
*Stephen D. Reimers, M.S., P.E.*

**Certified Hyperbaric Technicians Breakout Sessions: Tokyo/Vancouver Room**

Day 1: Friday, August 10 <sup>th</sup>	Day 2: Saturday, August 11 <sup>th</sup>	Day 3: Sunday, August 12 <sup>th</sup>
<b>Patient Preparation for Hyperbaric Treatment</b> 10:00am – 11:00am R. Sonnenrein, CHT	<b>Codes &amp; Standards Governing Hyperbaric Operations (New NFP 2012) PART 2</b> 7:45am – 9:30am Kevan Corson, CHT	<b>Acrylics Inspection and the End User Requirements</b> 7:45am – 9:15am Kevan Corson, CHT
<b>Codes &amp; Standards Governing Hyperbaric Operations (New NFP 2012) PART 1</b> 4:15pm – 5:00pm Kevan Corson, CHT	<b>Hyperbaric Facilities QA/QI Reporting to Include EP's, OP's and Maintenance</b> 10:45am – 11:30am R. Sonnenrein, CHT	<b>Fire with an Oxygen Enriched Environment PART 2, and other safety issues</b> 12:45pm – 3:00pm Kevan Corson, CHT Steve Reimers, M.S., P.E.
	<b>Fire with an Oxygen Enriched Environment PART 1</b> 2:00pm – 2:45pm Kevan Corson, CHT Steve Reimers, M.S., P.E.	



TRADESHOW EXHIBITORS

TRADESHOW EXHIBITORS

Booth 1a: International Hyperbaric Medical Association



The IHMA is a society for medical professionals and persons who wish to be affiliated with hyperbaric medicine. Their mission is to improve public health by implementing high ethical and scientific standards for hyperbaric medicine.

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

Booth 5: MedBuild



MedBuild is the DEDICATED HEALTHCARE-CONSTRUCTION DIVISION OF Modular Space Corporation headquartered in Berwyn, PA. They are a leading provider of custom Modular Medical facilities including modular offices, modular hospitals and clinics.

[www.medbuild.com](http://www.medbuild.com)

Booth 9: Advanced HyperbaricsRX



Advanced Hyperbarics Rx is a free-standing HBOT clinic with 2 large multi-place chambers. Very competitive pricing and conveniently located in Stanton, CA. Give them a Call 714.527.4000!

[www.advancedhyperbarics.com](http://www.advancedhyperbarics.com)

Booth 13: Pan-America Hyperbarics



A worldwide provider of HBO treatment systems. Pan-American Hyperbarics provide HBO-related support services, such as maintenance, education and training, to those institutions and individuals who will benefit from HBO technology.

[www.panamerica-hbo.com](http://www.panamerica-hbo.com)

Booth 2: SOS Hyperlite



The SOS 'Hyperlite' Hyperbaric Chamber is the only ASME PVHO-1 internationally approved portable flexible chamber treating ALL UHMS Oxygen Therapy conditions. Quickly deployable first aid equipment for pressure related illnesses, trauma and battlefield medicine.

[www.hyperlite.co.uk](http://www.hyperlite.co.uk)

Booth 6: Bio-Oil



Specialist skincare product that helps improve the appearance of scars, stretch marks, and uneven skin tone. Its advanced formulation, containing the breakthrough ingredient PurCellin oil. Also highly effective for numerous other skin concerns including aging and dehydrated skin.

[www.biooilusa.com](http://www.biooilusa.com)

Booth 10: Sterling Medical Services



A nationwide provider and distributor of disposable medical supplies, health and management services. Sterling Medical Services stocks over 10,000 quality medical supplies that are delivered conveniently and privately to patients' homes.

[www.sterlingmedical.com](http://www.sterlingmedical.com)

Booth 14: Calmoseptine



Calmoseptine Ointment is an effective, multi-purpose moisture barrier that protects and helps heal skin irritations. Benefits those needing protection, or with impaired skin integrity related to urinary and fecal incontinence, and other irritating conditions.

[www.calmoseptine.com](http://www.calmoseptine.com)

Booth 3: Designs For Health



Providing health care professionals, a trusted source for research-backed nutritional products of superior quality. Delivering an extensive product line, ongoing clinical education, and practice development programs, help maximize the potential for successful outcomes.

[www.designsforhealth.com](http://www.designsforhealth.com)

Booth 7: Assoc. of American Physicians & Surgeons



Founded to guard against the intrusion of government into the practice of medicine. It's basic principle being that medicine is a sacred relationship between a physician and a patient, not a relationship between a physician, a government bureaucrat and a patient.

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

Booth 11: Roberts Oxygen



Providing compressed industrial and medical gases since 1966, specialty gases and equipment, welding equipment and consumables, as well as technical support services. Committed to providing the highest level of customer satisfaction, with 38 locations serving 8 states.

[www.robertsoxygen.com](http://www.robertsoxygen.com)

Booth 15: Essex Industries



A leading supplier to the Aerospace and Defense, First Response, Safety and Medical markets. Essex Cryogenics provides a means to freeze and store gaseous oxygen as a liquid and then expanding it into clean breathable oxygen as needed for the pilot and crew.

[www.essexind.com](http://www.essexind.com)

Booth 4: Lubrication Technology



HRISTO-LUBE oxygen compatible lubricants are chemically as well as biologically inert, non-toxic, non-flammable and have no fire or flash point which results in them being the safest lubricants for use in oxygenated environments.

[www.lubricationtechnology.com](http://www.lubricationtechnology.com)

Booth 8: Assoc. of Diving & Hyperbaric Professionals



Created to promote the interest of free standing hyperbaric clinics. By joining together, they lobby for the approval of more indications that have been shown to benefit with the use of HBOT. Also offering training for hyperbaric medical technicians.

[www.hbotprofessionals.com](http://www.hbotprofessionals.com)

Booth 12: Puricore



PuriCore is a water-based clean technology company focused on developing and commercializing proprietary green solutions that safely, effectively, and naturally kill infectious pathogens without causing harm to human health or the environment.

[www.puricore.com](http://www.puricore.com)

Booth 16: Perimed



Designing and manufacturing equipment for microcirculatory measurement and diagnosis. The PeriFlux System 5000 is a customizable system, able to be set up to perform any or all of the following with only one instrument.

[www.perimed-instruments.com](http://www.perimed-instruments.com)



## TRADESHOW EXHIBITORS

## CONFERENCE FLOOR PLAN

### Booth 17: Anacapa Technologies



Anacapa is a developer and manufacturer of unique and patented topical anti-infective agents that are effective against a broad variety of infectious agents including bacteria, including MRSA, VRE, C. difficile, etc, as well as fungi and viral agents.

[www.anacapa-tech.net](http://www.anacapa-tech.net)

### Booth 20: Reimers Systems



With experience and integrity, providing quality products and innovative service solutions according to the most current technology, safety standards and regulations, from building a customized hyperbaric chamber to the smallest detail improving efficiency.

[www.reimerssystems.com](http://www.reimerssystems.com)

### Booth 18: HyperbaricsRX



A complete Hyperbaric Equipment Solution offering a complete selection of equipment to customize your system to exact specifications for optimal benefit, comfort and ease of operation.

[www.hyperbaricsrx.com](http://www.hyperbaricsrx.com)

### Booth 21: San Francisco Institute for Hyperbaric Medicine



A state-of-the-art healthcare treatment facility operating with the dual missions of providing hyperbaric oxygen therapy (HBOT) treatments to private patients, as well as advancing the field of HBOT through clinical research.

[www.sfhbo.com](http://www.sfhbo.com)

### Booth 19: Pressure Tech



Pressure Tech has been manufacturing and servicing soft chambers since 2004. They are an FDA-licensed manufacturing facility and also hold an FDA Export Certificate. Pressure Tech's products include the Flexi-Lite™ and Ultra-Lite™ Hyperbaric Chambers

[www.pthyperbarics.com](http://www.pthyperbarics.com)

### Booth 22: JHS Insurance Services



Since 1983 JHS Insurance Services, Inc. has provided insurance solutions for Healthcare Professionals including MedMal, Medical Billing Liability, Technology, Privacy Liability and more. As the industry evolves, they adapt.

[www.jhsservices.com](http://www.jhsservices.com)



### Booth 1b: Amen Clinics



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wound therapy

Vashe Wound Therapy is a tissue-friendly solution that is applied directly to wounds to cleanse them and remove dead tissue. Vashe Wound Therapy with preservatives is a hypochlorous acid solution formulated using only natural elements—pure salt and water. It is produced at a robust concentration to optimize effectiveness, yet it is pH-balanced so it is not cytotoxic and won't sting or burn. Wound care centers and hospitals throughout the country routinely use this clinically proven solution to cleanse and debride chronic and acute wounds and for daily dressing management.

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woundcare@puricore.com

Through the proactive use of Vashe Wound Therapy as part of a dermal defense strategy, the need for more expensive wound care modalities may be reduced.

*Vashe Wound Therapy Solution is intended for cleansing, irrigating, moistening, and debriding acute and chronic dermal lesions such as Stage I-IV pressure ulcers, stasis ulcers, diabetic ulcers, post-surgical wounds, first- and second-degree burns, abrasions, and minor irritations of the skin in addition to moistening and lubricating absorbent wound dressings.*

PuriCore, Inc. | 484.321.2700 | www.puricore.com

\* Vashe Wound Therapy with preservatives demonstrates rapid in-solution eradication of MRSA, VRE, Acinetobacter, E.coli, and other dangerous pathogens. Vashe Wound Therapy with preservatives passes the USP<51> Antimicrobial Effectiveness Test, demonstrating rapid effective activity in solution against a broad spectrum of gram-positive, gram-negative, and yeast species. Contact PuriCore for a full list of antimicrobial test data.



## GALA DINNER IN THE OCEAN BALLROOM

WHEN: Friday, August 10th RECEPTION at 6:30pm DINNER at 7:30pm ATTIRE: Business Dress

# Gala Dinner



The HBOT Gala Dinner has traditionally been a highly memorable evening, where those that continue to leave their mark, or sadly, the ones whose legacy we remember, are recognized. This year's evening promises to be a very special affair.



### Special Keynote Speaker

**Robert Moffit, Ph.D.**  
*How Richard Neubauer & Edward Teller Saved Hyperbaric Medicine during the Reagan Administration*



### Special Keynote Speaker

**Philip B. James, M.D.**  
*Eager anticipation awaits Dr. James' new book that is being released shortly. He will provide the assembled guests with a brief insight.*

## Lifetime Achievement Awards

Pioneers in  
Hyperbaric Medicine

Cutting Edge Science of HBOT

Public Policy Achievement Award

## Silent Auction

Tonight, all money raised will be going to support Cooper Somerville.

He suffered a severe brain injury as a result of a near drowning accident.

They have now tried HBOT with much success. Cooper was fed through a g-tube before their first round and took his first bite of food while inside the chamber around treatment 25. During the next round, he began tracking with his eyes; he was previously considered cortically blind.

Doctors have suggested that improvement could occur with more treatments, but his family finances have been severely stretched over his 15 year life.

They are praying for him to enjoy a better quality of life.

Although small when compared to the bigger picture, your contribution will help Cooper in the treatment process.



# eBooks

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## ABOUT THE INTERNATIONAL HYPERBARIC MEDICAL ASSOCIATION



The International Hyperbaric Medical Association (IHMA) is a society for medical professionals and persons who wish to be affiliated with hyperbaric medicine.

The Association's mission is to improve public health by: implementing high ethical and scientific standards for hyperbaric medicine; promoting sound hyperbaric research and treatment protocols; educating the medical community, the general public, decision makers and policy experts about the benefits of hyperbaric medicine and adjunctive therapies; and working to make hyperbaric medicine more universally available and affordable.

The IHMA represents physicians, medical professionals and consumers in affairs related to insurance company and government health-care policies related to hyperbaric medicine.

The International Hyperbaric Medical Association Foundation (IHMA FND) was established to improve public health by disseminating scientific knowledge, promoting, sponsoring, and conducting research into hyperbaric medicine and adjunctive therapies, educating the medical community and the general public about the benefits of hyperbaric medicine and related therapies, educating and training medical professionals, and assisting individuals in obtaining treatment.



### MISSION STATEMENT

**It is the mission of the International Hyperbaric Medical Association to make available, in every hospital and clinic in the nation, hyperbaric medical treatments for each and every human malady that oxygen can help heal.** By submitting diabetic foot wounds to Medicare for a new national coverage determination in 2001, our organization effectively doubled the number of hyperbaric centers by 2011. Soon we expect additional indications to triple the treatment berth capacity in the nation and expect half of all hospitals to have hyperbaric centers over the next 10 years. IHMA and IHMF's policies, practices and scientific proofing of HBOT treatment will be key to causing these changes to happen.



# Pressure Tech

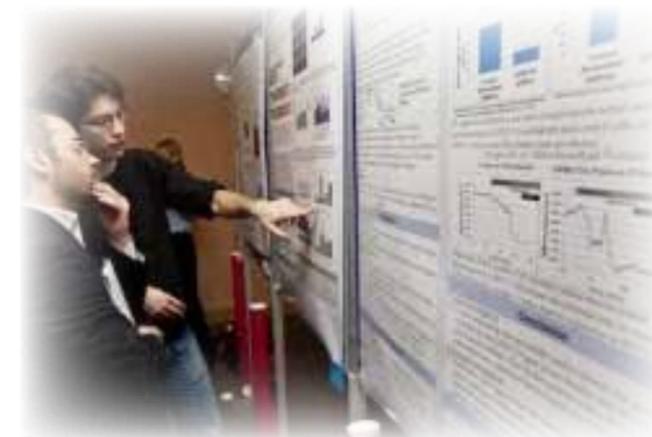
FDA Registered Manufacturer of  
Portable Hyperbaric Chambers



Visit us at Booth #19  
On the WEB @ [pthyperbarics.com](http://pthyperbarics.com)

Thank you to those who submitted case studies. The following posters have been chosen for display in the Exhibition Hall throughout the conference.

3 submissions will be chosen by the IHMA Board during the conference and short presentations given by the nominated authors on Day 3.



**Common Indications of Hyperbaric Oxygen Therapy in the United States**

States: A Survey of Hyperbaric Facilities  
Poovendran Saththasivam, MD; Max Pell, DO;  
Kirtanaa Voralu, MS; George Mychaskiw II, DO

**Hyperbaric Oxygen Treatment of Neurologic Complications after Carbon Monoxide Poisoning**

Nina Subbotina, MD PhD

**Treatment of Acute Hepatitis B with Hyperbaric Oxygen Therapy – A Case Study**

Nina Subbotina, MD PhD

**Case Studies in Hyperbaric Practice**

Melford Larson, MD

**Preemptive Hyperbaric Oxygen Treatment: Diabetic Neuropathy Amelioration in the Non-Wounded Limb**

S.D. Guthrie, MD; B.R. Guthrie, MD

**Flow Dynamics of Patient Hoods**

Stephen D. Reimers, PE

**The Use of Hyperbaric Oxygenation in the Treatment of Childhood Encephalopathy**

Solany Zerbin, MD

**The Role of Multimodality Treatment Using Hyperbaric Oxygen Therapy and Vacuum Assisted Closure for Complex Trunk Wounds**

L. Sudarsky, MD; E. Fischer, MD; D. Robinson, RN MPH;  
N. Al-Walli, MD; G. Butler, CHT

**An Innovative Way to Study Anesthetic Neurotoxicity: Anesthetic Neurotoxicity and Hyperbaric Oxygen Therapy in Wild Type Fruit Flies**

Leigh Stevens, MD; Anoop Kanwal Chhina, MD;  
Kirtanaa Voralu, MSc; George Mychaskiw II, DO;  
Ashish Dabas, MD; Michael Green, DO

**Micro Air Embolism Contribution to Blast-Induced Mild Traumatic Brain Injury**

Stephen D. Reimers, PE; Paul Harch, MD; James Wright, MD;  
John B. Slade, MD; Sunny Sonnenrein, BS CHT;  
Nicole Doering, BA EMT-B



AN EVENING WITH GEORGE VISGER

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**WHEN: SAT. Aug. 11th from 7:30pm to 9:30pm** **WHERE: Ocean Ballroom**

**Coping Mechanisms: Surviving a Brain Battered By Football**

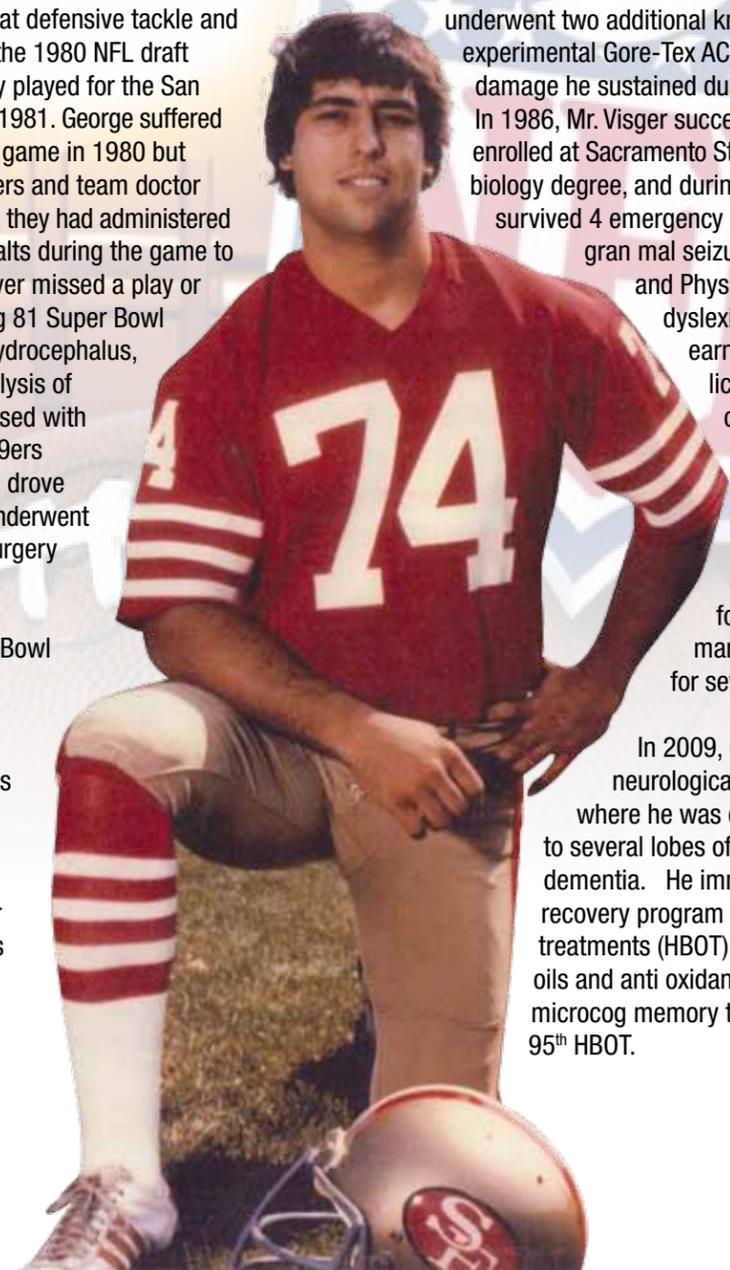
From Super Bowl victory, to 9 emergency brain surgeries and multiple seizures, to HBOT rehabilitation, to major spokesman for TBI, George Visger will share his amazing story.

George was a 3-year starter at defensive tackle and selected in the 6th round of the 1980 NFL draft by the NY Jets. He ultimately played for the San Francisco 49ers in 1980 and 1981. George suffered a major concussion during a game in 1980 but never left the field. The trainers and team doctor informed him later that week, they had administered approximately 20 smelling salts during the game to keep him on the field. He never missed a play or practice. During the following 81 Super Bowl season, George developed hydrocephalus, and suffered focal point paralysis of his right arm. He was diagnosed with a brain hemorrhage by the 49ers physician in the locker room, drove himself to the hospital, and underwent emergency VP shunt brain surgery that afternoon.

Four months after the Super Bowl XVI victory, his shunt failed. He suffered several grand mal seizures, a coma and underwent two brain surgeries 10 hours apart and was given last rites. He has no recollection of the following year. This began a 4-1/2 year legal battle against the 49ers for Workers Compensation to get his hospital bills paid. During this time, George

underwent two additional knee surgeries, including an experimental Gore-Tex ACL transplant, to repair the damage he sustained during the 1981 season. In 1986, Mr. Visger successfully won his Work Comp case, enrolled at Sacramento State University to complete his biology degree, and during one 10-month period in 1987, survived 4 emergency brain surgeries and several grand mal seizures. All while taking Chemistry and Physics courses. Despite developing dyslexia from his surgeries, George earned a Class B General Contractors license in 1987 and a Bachelor of Science degree in Biological Conservation in 1990. George went on to teach Algebra, Chemistry, Biology and Environmental Studies and coached high school football, and constructed and managed wetland mitigation banks for several years.

In 2009, George underwent a 3-day, neurological evaluation at the Amen clinic where he was diagnosed with major traumata to several lobes of his brain, and frontal lobe dementia. He immediately began an aggressive recovery program involving daily hyperbaric oxygen treatments (HBOT), mega doses of Omega 3 fish oils and anti oxidant concentrated fruit juices. His microcog memory tests improved 16.3% after his 95<sup>th</sup> HBOT.



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