

2011 Board

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NKMS Society

Rounds

Volume 15, Issue 13

January - March, 2011

Hyperbaric Medicine

Hyperbaric medicine (HBO) is the delivery of oxygen to a patient in a chamber at greater than or equal to 1.4 atmospheres absolute (ATA). HBO increases the amount of oxygen dissolved in plasma and available to the tissues. It increases the amount of oxygen transported in plasma and available to tissues. HBO increases the distance that dissolved oxygen can diffuse in tissues by pressure physics. We typically use between 2.0 and 2.5 ATA in our clinical setting. We use a monoplace chamber designed to compress a single individual to greater than sea level pressure. Topical oxygen is not hyperbaric oxygen, nor should it be touted as such. A multiplace chamber is designed to go to as high as 6.0 ATA, and can treat multiple patients at one time. We do not have a multiplace chamber locally. However, monoplace chamber treatment achieves comparable outcomes as all treatment profiles for our community hospital indications involve pressures of 2.5 ATA or less. Plasma dissolved oxygen increases with oxygen partial pressure such that in an average patient at 2.0 ATA the PaO₂ would be over 1400 mmHg and at 2.4 ATA the PaO₂ would be over 1700

mmHg.

The standard hyperbaric chamber is acrylic, 40 inches in diameter and 8 feet in length. The chamber opens at one end through a cam-operated hatch. The patient can sit up at as high as 30 degrees when placed into the chamber via a track that connects to their gurney. The monoplace chamber is filled with 100% oxygen. Common protocols include 2.0 ATA for 90 to 120 minutes at pressure, or 2.5 ATA for 90 minutes with two 5-minute air periods. Air periods or "breaks" are used to reduce oxygen toxicity and may be delivered through a mask to the patient. Protocols vary from as few as a handful to as many as 60 treatments, depending on the clinical indication for Rx. The patient wears antistatic garments supplied by the hospital and is grounded by a bracelet. The patient will be questioned and inspected before each session to make sure that no unapproved devices go into the chamber. Some patients will experience confinement anxiety and will require reassurance and perhaps pre-treatment anxiolytics. All patients will need to be able to adjust to changes in pressure in their ears as they descend in the beginning and ascend at the end of their HBO session.

Pain can develop in the ears as a result of "barotrauma" from dysfunction in equilibration of pressure. This can be dealt with by taking antihistamines, special "ear clearing" maneuvers, drinking from a water bottle during Rx, or even PE tube placement.

HBO is indicated in decompression illness and arterial gas embolism because of mechanical effects of nitrogen bubble size reduction. HBO's beneficial effect on hypoxia make it useful in exceptional blood loss anemia, preparation and/or preservation of compromised skin grafts and flaps, crush injury, compartment syndrome, other acute traumatic ischemias, thermal burns, delayed radiation injury (soft tissue and osteonecrosis) and enhancement of healing in selected problem wounds. The bacteriostatic/cidal effect of HBO lend it helpful in refractory osteomyelitis, clostridial myositis/myonecrosis, intracranial abscess, and necrotizing soft tissue infections. Other indications are carbon monoxide and/or cyanide poisoning, and central retinal artery/vein occlusion.

Pat Birrer, MD, Member at Large, NKMS

NKMS
Membership
Directory

Annual
Holiday Party

Upcoming
Events

President's Report

Recently your NKMS board sat down to clarify the mission of the Northern Kentucky Medical Society. In the end all agreed that, in addition to supporting the medical community, we hope to foster and improve socialization amongst the physicians in Northern Kentucky. We have several things planned for you in 2011. This year the Medical Society will underwrite a larger portion of member-

ship meetings and dinners to bring down the cost for you to attend. I hope you will come out and join us for a wonderful meal, to visit with your colleagues and to discuss the issues facing us in 2011. A calendar of these events is available on our website. In addition, we are working hard to bring you a Membership Directory including photographs. If you haven't already returned the questionnaire to update your

current information, please do so immediately. Or you may contact Executive Director, Karla at 859-496-6567 or email at nkms@nkms.org. Together we will make it a great year!

Susan Bushelman, MD,
President, NKMS

Alliance Report

Approximately 90 members and spouses attended the Annual Holiday Dinner and meeting. Dr. Joe Creevy was the honored retiree this year. His speech was funny, sentimental and inspiring as he reminded everyone what an honorable profession they have chosen. Happy retirement, Dr. Creevy! The silent auction was very successful

with \$1,550.00 in proceeds going to the Pike Street Clinic. Huge thanks to all the members who graciously donated items for the auction and for all who bid on the items. New this year was the "Stuff the Stocking" campaign for the Pike Street Clinic. Pike Street Clinic received a very large "Santa" bag full of white socks for the homeless. Wrapped toys

surrounded the Christmas Tree, again showing the generosity of our membership. The Brighton Center in Newport was overwhelmed by the gifts. Again, big thanks to all for their generosity. Wishing all a Prosperous New Year!

Kathleen Lape, President,
NKMS Alliance

Calendar of Events

February 15

NKMS Executive Board Meeting

March 31

Trustee Dinner

April 19

NKMS Executive Board Meeting

May 5

General Membership Dinner

May 17

NKMS Executive Board Meeting

Trustee Dinner

The Kentucky Medical Association Eighth District Trustee Dinner, hosted by Theodore Miller, MD, will be held at Summit Hills Country Club, (236 Dudley Road, Crestview Hills, KY) on Thursday, March 31, 2011. The evening will begin with a cash bar at 6:30 PM and dinner will be served at 7:00 PM.

This is the chance for the KMA President, Dr. Gordon Tobin, to address the Northern Kentucky Medical Society on current KMA

issues.

Keynote speaker for the evening: Patrick Padgett. Topic of discussion: Health Care Reform.

The dinner menu will feature a Caesar salad, surf and turf (4 oz filet mignon and stuffed shrimp) red skin stuffed potatoes. For dessert, cream cheese carrot cake with caramel topping.

There is no charge for NKMS

physician members and their spouse/guest. The dinner is being underwritten by NKMS and KMA.

Make plans to attend this year's District Trustee Dinner.

Please RSVP on or before March 24, to the Northern Kentucky Medical Society, Karla Kennedy, at (859) 496-6567.

Reservations will also be accepted by email:
nkms@nkms.org

Practice Update

We want to welcome the following physicians who became members of the Northern Kentucky Medical Society in 2010.

Roland Ngwang, MD	Tann Nichols, MD	Sofia Qureshi, MD
Paul Quertermous, MD	Floyd Poore, MD	Shawn Reathaford, MD
Jeremy Schram, MD	Robert Tagher, MD	Jose Rivera, MD
Robert Toltzis, MD	Olubukola Adelola, MD	Asha Sharma, MD
Joshua Bengel, MD	Tyler Browning, MD	Steven Bailey, MD
	Irfan Budhani, MD	
	Basil Jaradah, MD	
	Lekshmi Nair, MD	

2011 Budget

Ordinary Income		Print Advertising	307.00
Advertising	1,600.00	Dues & Subscriptions	435.00
Contributions	330.00	Insurance	2,000.00
Dues-Associate	2,160.00	Licenses & Permits	8.00
Dues-Active	66,150.00	Postage & Printing	5,900.00
Dues-Resident	120.00	Professional Fees	1,400.00
Dinner Meetings	<u>7,150.00</u>	Repairs & PO Box	122.00
Total Income	<u>77,510.00</u>	Telephone & Contributions	930.00
Expenses		Contracted Services	25,000.00
Website	400.00	Office/Supplies	<u>1,500.00</u>
Dinner Meetings	22,400.00	Total Expenses	<u>60,932.00</u>
Gift	530.00	Net Income	16,578.00

NKMS

**Northern Kentucky
Medical Society**

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Contact Information

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Northern Kentucky's
Physician Network

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