

# FEBRUARY 2022 MONTHLY HBOT WEBINAR

## Identifying Hyperbaric Candidates in the Wound Care Center

PRESENTED BY THE CHI  
HEALTH CUMC | BERGAN  
MERCY PROGRAM



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



# Important to Note

Understand	Understand the indications and benefits of HBO therapy.
Ensure	Ensure that patients are clinically appropriate for HBO therapy.
Know	Know what clinical documentation is required to qualify the patient.

# Identifying HBO Candidates

- All AWCC patients are potential HBO candidates.
- Review all new patients and determine eligibility.
- Does the patient have any contraindications?
- Meet all CMS guidelines.



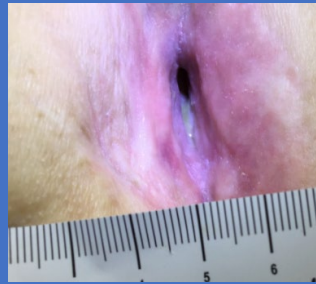
# Identifying Wound Care Patients (internal)

## Photo

## Indication



Diabetic Foot Ulcer  
Wagner Grade 3 or  
Higher



Chronic Refractory  
Osteomyelitis



Failed Flap or Graft



Soft Tissue  
Radionecrosis

# Documentation for determination

Has there been a thorough history and physical examination?

Does the patient require vascular studies, imaging, or laboratory evaluations based on findings?

Results and documentation will help determine if patient is an appropriate candidate.



# Patient qualifies or potentially could qualify?

Patient may fit under either if the diagnosis, requirements, necessary assessment and documentation are met or partially complete.

In either case, start an HBO checklist and add to HBO tracking form or binder.





# Sample of HBO Tracking Form

HBO Tracking Form						
Patient Name	Diagnosis	Current Physician	Insurance	Waiting for...	Checklist	Action Plan/Additional Comments:
A. Bravo	DFU	Smith	Medicare/AARP	Vascular assessment scheduled for Tuesday	Started	Dr. Smith will discuss HBO with patient on Wednesday's appointment
C. Delta	CRO	Johnson	Aetna	Patient refuses HBO consult and tx	Completed	Will continue to monitor patient and continue encouraging HBO
E. Foxtrot	DFU	Garcia	United Healthcare	Only a Wagner Grade 2	Not Started	Will continue to monitor patient's progress and will discuss with Dr. Garcia if digital imaging is warranted.

What's going to work best for you as a team?

- Excel spreadsheet in a shared folder on the computer or printed in a central location?
- Everyone contributing or one person managing the list?





QUIN

# Question 1

You should not start an HBOT checklist until the patient is diagnosed with a Wagner Grade 3.

True or False?



# Answer 1

FALSE! Start checklists on all diabetic ulcer patients or anyone you think could potentially qualify, now or in the future?



# Question 2

Name 3 instances when you should be suspicious of chronic refractory osteomyelitis.

---

---

---

# Answer 2

Instances when you should be suspicious of chronic refractory osteomyelitis include

- when there is a deep ulcer of any kind
- when the patient has a history of other ulcers in the same area
- when the patient has a surgical history such as a fracture with hardware or joint replacement
- when the patient has exposed bone
- when the patient has been unresponsive to treatment or is worsening
- when the ulcer is in an area where the bone is close to the surface such as the malleolus, tibia, or skull
- when the ulcer is at the site of a previous amputation



# Question 3

TRUE or FALSE?

Radiation necrosis can only be detected if there is a soft tissue ulceration.

# Answer 3

**FALSE!**

Although rare in the wound care setting, a patient could have radionecrosis of the bone. These will usually be direct referrals to HBOT.

# Question 4

TRUE or FALSE?

Failed grafts only qualify for HBOT after 30 days of standard wound therapy.





# Answer 4

**FALSE!**

Failed grafts are more of an acute condition and require HBOT immediately. These patients should start treatment in less than 30 days, most ideally 7-10 days, post-surgically. Insurances may dictate their own timelines to meet medical necessity.



# Question 5

Missed patients can lead to \_\_\_\_\_.

# Answer 5

Missed patients can lead to further complications, including infection and amputation.

# Question 6

Required documentation for a Wagner Grade 3 to receive HBOT includes \_\_\_\_\_.

- A. vascular assessment
- B. optimization of glucose
- C. offloading
- D. all of the above

# Answer 6

Required documentation for a Wagner Grade 3 to receive HBOT includes \_\_\_\_\_.

- A. vascular assessment
- B. optimization of glucose
- C. offloading
- D. **all of the above**

# Question 7

Documentation of one or more of the following qualifies the ulcer for HBOT.

- Osteitis
- Osteomyelitis
- Tendonitis
- Cellulitis of abscess
- Pyarthrosis
- Wet or dry gangrene

True or False?

# Answer 7

True!

<b>Diabetic Ulcer Wagner III</b>	
<b>Need</b>	Documentation of one or more: Osteitis, Osteomyelitis, Tendonitis, Cellulitis of abscess, Pyarthrosis

<b>Diabetic Ulcer Wagner IV</b>	
<b>Need</b>	Documentation of Wet or Dry gangrene of the toes or forefoot

<b>Diabetic Ulcer Wagner V</b>	
<b>Need</b>	Documentation of gangrene involving entire foot

# Next Month's Presenter

DATE: 3/15/2022

PRESENTING: Deborah

TOPIC: Barotrauma





# SerenaGroup HBOT Monthly Show Rate

Centers	Program Director	HBO Show Rate
Cleveland Clinic Akron	Nick	
ACMH	Erika	100%
Berkshire	Sean	94%
CHI Health CUMC Bergan	Joe	100%
CHI Health Mercy	Joe	100%
Deborah	Megan	
Fairview	Jamie	100%
Henry Ford	Eliece	100%
Jackson	Dean	85%
St. Mary's	Katie	100%
St. Joseph Med Ctr	Christine	100%
Via Christi	Nancy	100%
MH The Woodlands	Andrea	92%
Inspira Health – Elmer	Ally	100%



# SerenaGroup Upcoming HBOT Educational Courses

## LIST DATES AND LOCATIONS

- Nothing scheduled at this time



# WHAT'S NEW TO THE SERENAGROUP HYPERBARIC EDUCATION DEPARTMENT?





# Certificate of Completion

Available on the member's portal  
Titled "Hyperbaric Patient Completion  
Certification" under Hyperbaric  
Oxygen Therapy > HBOT Resources.



# HYPERBARIC OXYGEN CHAMBER ROOM EMERGENCY CALL TREE

\_\_\_\_\_  
Name

\_\_\_\_\_  
Phone

## Local Hospital Emergency Contact

---

### Hyperbaric Oxygen Services Managed by SerenaGroup Inc.



**Ally George**  
**SerenaGroup**  
**HBO Educator**  
**609-202-6152**

**Matt Schweyer**  
**SerenaGroup**  
**National Safety Director**  
**888-960-1343 ext. 1007**



**SerenaGroup**  
Building the Nation's Leading Wound Care Team

This needs to be printed, filled out, and hung in or right outside your chamber room. This should also be distributed to emergency personnel. Security, maintenance, Fire Dept, Etc.

Available on the member's portal Titled "Hyperbaric Chamber Room Emergency Call Tree" under Hyperbaric Oxygen Therapy > HBOT Resources.



## Smoke Hood Purchasing Options

[http://www.ase-safety.com/oc/index.php?route=product/product&path=59&product\\_id=30](http://www.ase-safety.com/oc/index.php?route=product/product&path=59&product_id=30)

Product Code: ASE30 Fire Escape Smoke Hood Soft Travel Case

Price: \$74.95

Shelf Life: 6 years

<https://www.marvgolden.com/ase-30-safe-escape-smoke-hood-soft-case.html>

Model #: ASE30-Soft

SKU: CYH1003

Price: \$69.95

Shelf Life: 5 years

<http://www.safeescape.com/HSII7/ASE30.html>

Code: ASE30

Price: \$69.50

Shelf Life: 5 years

[https://elmridgeprotection.com/shop/ievac-smoke-hood-fire-escape-mask/?gclid=EAlalQobChMI2rD7prTw9QIVVMqzCh085wtYEAQYASABEglxRPD\\_BwE](https://elmridgeprotection.com/shop/ievac-smoke-hood-fire-escape-mask/?gclid=EAlalQobChMI2rD7prTw9QIVVMqzCh085wtYEAQYASABEglxRPD_BwE)

Product: iEvac® Smoke Hood / Fire Escape Mask

SKU: EBP-900

Price: \$187.99

Shelf Life: 5 years

# Ordering Smoke Hoods

Available on the member's portal Titled "Hyperbaric Smoke Hood Ordering" under Hyperbaric Oxygen Therapy > HBOT Resources.

Your program director may be the one who orders this, but it is the responsibility of the tech/Safety Director to ensure these are not expired.



# WEEKLY CHAMBER CHECKLIST

Please use a separate checklist for each chamber. Initial each line as completed.

MONTH _____	1	2	3	4	5
<b>Week:</b>					
<b>Chamber # _____</b>					
Clean gurneys with approved disinfectant					
Deep clean chamber interior and exterior, including muffler					
Inspect acrylic for cracks, nicks, discoloration, scratches, or crazing					
Inspect chamber door latching mechanism for ease of operation and positive latching					
Inspect door cam, clean if necessary and lightly lubricate with halocarbon grease					
Close and lock chamber and turn switch to <u>On</u>					
Pressurize the chamber to approximately 2.5 ATA and set the ventilation control to minimum					
Adjust the ventilation control to maximum. Indicator moves freely when the control is adjusted. Significant pressure is not lost					
Turn the system <b>Off</b> and emergency vent the chamber to 0.5 PSI					
Note time to decompression (less than 2 minutes, unless chamber was installed prior to 2002, then decompress in under 3 minutes)					
Ensure locking pin disengages after emergency vent by opening chamber door					
Smoke hoods located in center, check expiration dates					

**Weekly  
Checklist  
Has Been  
REVISED!**



# Daily Chamber Checklist (Perry-Pneumatic)

Please use a separate checklist for each chamber. Initial each line as completed.

	MON	TUE	WED	THU	FRI
Week Of:					
Initials of person completing checklist					
Chamber # _____					
Oxygen supply pressure reading @ alarm panel & chamber console (50-90 psi)					
Air supply pressure reading @ cylinder gauge: (60 psi) if using demand valve, if using free flow system cylinder gauge set at 25 psi					
Chamber covers completely removed and stored in a professional manner					
Chamber grounds are connected and without damage					
Chamber supply/vent hoses without obvious leaks, kinks, or damage					
Inspect chamber hull for scratches and/or crazing					
Inspect both the green oxygen supply and red exhaust bypass indicators to ensure that the lenses are in place and undamaged					
Turn the communication switch to the on-position green light should be on					
Turn on entertainment					
Switch communications panel to <b>Test</b> , ensure system works properly					
Inspect chamber door gasket for damage					
Inspect chamber controls for damage or loose knobs					
Inspect chamber interior and exterior for cleanliness					
Air <u>break</u> cylinder pressure level checked (change below 500psi)					
Air <u>break</u> equipment ready & disinfected (Demand System ONLY)					
<b>SHUTDOWN CHECKLIST:</b>					
Turn Oxygen and Air supply to chamber off					
Flip System <b>ON/OFF</b> switch to <b>OFF</b> . Confirm that indicator eye is <b>NOT</b> showing green					
Turn off entertainment					
Turn the communication switch to the <b>OFF</b> , on position (green) should go out					
Clean chamber interior/exterior and cover					

# Daily Checklist Has Been REVISED!

Person Completing: \_\_\_\_\_ Initials \_\_\_\_\_ Person Completing: \_\_\_\_\_ Initials \_\_\_\_\_





# Round Table!

# SerenaGroup HBOT Contact Information

Matt Schweyer, Chief Compliance Officer | VP Head of Compliance, Reimbursement & Safety | National Safety Director

- [mschweyer@serenagroups.com](mailto:mschweyer@serenagroups.com)
- C. 214-315-5109

Ally George, Hyperbaric Educator

- [ageorge@serenagroups.com](mailto:ageorge@serenagroups.com)
- C. 609-202-6152

