ACROSS
1. Bardin and ________ introduced the concept of Unit Pulmonary Toxic Dose (UTPD). (10)
3. Recurring exposures to an extreme level of HBO₂ eventually induces irreversible hyperoxic paralysis known as the _______ ______ Effect. (4,4)
6. ________, by blocking superoxide dismutase, can increase the risk of oxygen toxicity and should not be used concurrently with HBOT. (10)
8. Toxic effects of O₂ was first reported by ________. (8)
10. Cardiac toxicity is the reason concurrent use of _________ and hyperbaric oxygen therapy is contraindicated. (11)
13. The _______ Therapeutic Regimen (ATR) in hyperbaric oxygen therapy (HBOT) is a treatment protocol developed by Dr. J. J. Wortel in the Netherlands. It is primarily used for the treatment of chronic non-healing wounds, such as diabetic foot ulcers, venous stasis ulcers, and other tissue injuries that have not responded to conventional treatments. (9)
16. ________ described the rupture of eardrums in drivers around 300BC. (9)
17. Dysbaric osteonecrosis is a type of ________ necrosis of the bone most commonly found in undersea divers and workers breathing compressed air or gas. (9)
18. ________’s Arithmetic Method is a table which is used to calculate oxygen exposure from 0.6 to 5.0 ATA and enables the calculation of total UPTD for a given oxygen exposure or sequences of exposures. (6)
19. Dr. Andrew Smith, a physician with the miners coined the word ________ disease to describe illness that he encountered among workers of Brooklyn bridge. (8)
20. ________ in bubble size during HBOT is based on Boyle’s law. (8)

DOWN
2. ________ the precursor of vitamin A helps in protection against pulmonary oxygen toxicity. (4,8)
4. HBOT causes a decrease in cardiac output due to ________. (11)
5. The total oxygen content of blood under hyperbaric conditions is equal to the oxygen content combined with hemoglobin plus the _______ oxygen content. (9)
7. Marx protocol is used for ________. (18)
9. HBOT ________ the permeability of the Blood Brain Barrier. (9)
11. Lorraine Smith effect is the name given for ________ toxicity of HBOT. (9)
12. ________ is considered to be the Father of modern Hyperbaric Medicine. (7)
14. Capillary diffusion theory is credited to _______. (5)
15. As per ________ effect, the saturation of carbon dioxide depends on deoxygenation. (7)