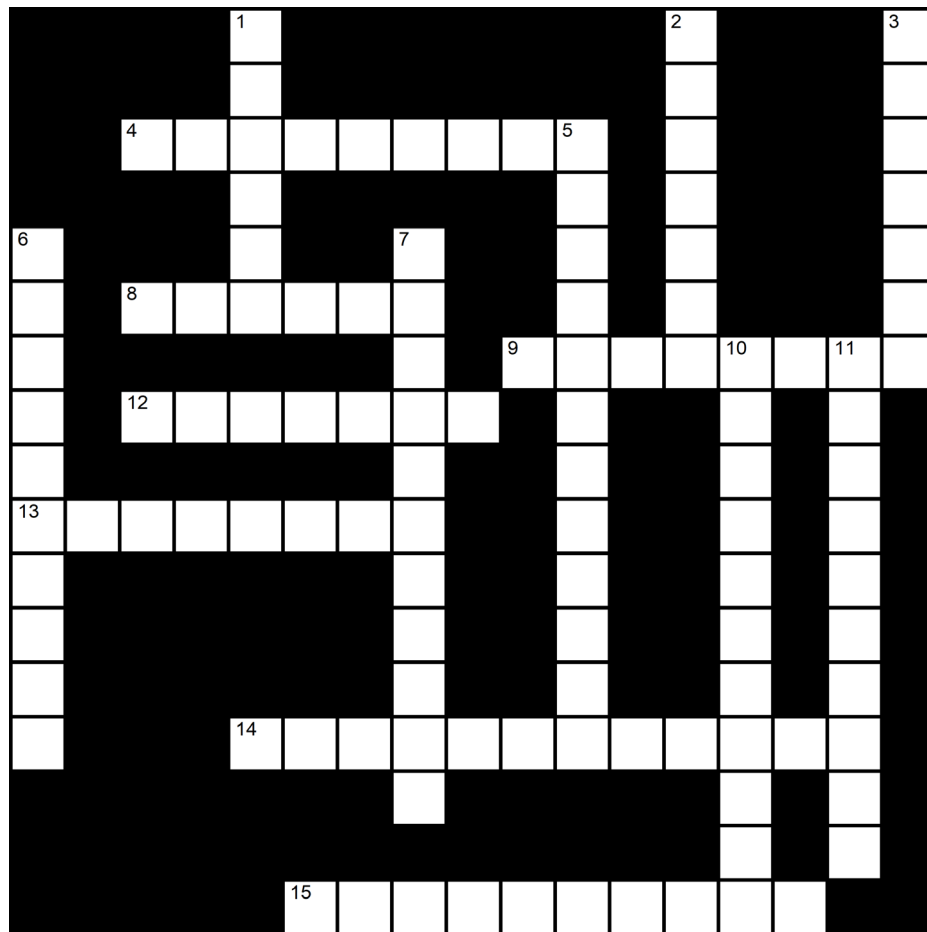


August Crossword

By Lt. Col. Srihari Iyer K, Flight Surgeon, Indian Army, and Dr. Sahana Srihari, Assistant Professor, Dermatology, Adesh Institute of Medical Sciences and Research, Bathinda, Punjab, India.



ACROSS

4. The “gravitational credit card” of flight is seen in the _____ flight maneuver. (9)
8. 40°C is the _____ zone as per FITS. (6)
9. _____ in the dermis increases up to 143% due to micro-gravity and is reversible on return to Earth. (8)
12. Effects of -Gz include persistent vertigo in a few aviators performing aerobatic maneuvers. This persistent vertigo is also known as the _____. (8)
13. Positional _____ may be a cause of death of the pilot in an accident where the aircraft comes to rest inverted with the pilot still strapped into his seat, with disruption of the canopy and the ground causing flexion of the pilot's neck. (8)
14. The isothermal layer of the atmosphere is present in the _____. (12)
15. Aeromedical disposal post-stroke depends on its etiology, clinical recovery, mitigation of modifiable risk factors, and expected risk of _____. (10)

DOWN

1. The V2 rocket was the first man-made object to cross the _____ line. (6)

2. Compared with the Valsalva maneuver, the _____ maneuver carries a significantly lower risk of over-pressurizing the middle or inner ear. (7)
3. Inside-Out attitude display is also called the moving _____ display. (7)
5. _____ clouds are often described as appearing like “mackerel skies” due to their rippled or fish-scale-like appearance. (12)
6. Oxygen paradox usually occurs in individuals who become _____ during hypoxia. (10)
7. A negative result in the vitreous humour generally rules out the presence of _____ alcohol levels, helping in an aircraft accident investigation. (11)
10. The inward relief valve in an aircraft allows the _____ air to enter the cabin if the pressure in the cabin falls below that of the atmosphere. (11)
11. _____ lung altitude refers to the altitude where the partial pressure of oxygen in the lungs is the same as it would be at a higher actual altitude. (10)

The solution can be found on p. N67.