

OBJECTIVE 6

Match surgical specialty equipment to their correct functions. Write the numbers on the blanks provided.

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| _____ | a. Used to create a bloodless operative field on an extremity below the level of the tourniquet cuff | 1. Argon beam coagulator |
| _____ | b. Used to coagulate profuse bleeding tissues using argon gas | 2. Blood recovery system |
| _____ | c. Mechanical device used to augment or assist the surgeon perform surgery with extremely small tools and great precision | 3. C-arm fluoroscope and monitor |
| _____ | d. Collects patient's own blood (autologous) as it is removed, then cleans the red blood cells and returns it via infusion back to the patient | 4. Cryotherapy unit |
| _____ | e. Generates an electrical impulse to the heart during arrest in an attempt to restart heartbeat or to re-establish a regular rhythm | 5. Defibrillator |
| _____ | f. Used by surgeon to precisely dehydrate and destroy tissue with subfreezing temperatures generated by circulating a coolant through a metal probe | 6. Harmonic scalpel/ AutoSonix |
| _____ | g. Ultrasonically transects and coagulates tissue | 7. Laser |
| _____ | h. Uses a special light source as a high-precision tool to remove tissue or treat blood vessels or for cosmetic purposes with heat generated from very specific irradiation generated by oscillations of atoms or molecules | 8. Latex allergy cart |
| _____ | i. Houses latex-free material for use on a patient who is allergic to rubber/latex | 9. Nerve stimulator |
| _____ | j. Projects x-ray images onto monitor | 10. Operating microscope |
| _____ | k. Uses electrical currents to identify nerve tissue | 11. Pneumatic or compressed air power equipment |
| _____ | l. Worn like eyeglasses to magnify the surgical field | 12. Pneumatic tourniquet |
| _____ | m. Removes laser plume as tissue is vaporized | 13. Robotics |
| _____ | n. Delivers warm air into a disposable blanket which covers the non-operative area | 14. Smoke evacuator |
| _____ | o. Uses ultrasonic frequency to break up tumor tissue without harming vital structures, i.e. blood vessels and nerves | 15. Surgeon's loupes |
| _____ | p. Uses pressure from gas or compressed air to supply equipment with power that can be set for a given level, based on the amount of pressure allowed into the unit | 16. Thermal control unit |
| _____ | q. Monocular or binocular high-magnification lenses for close view of operating site | 17. Ultrasonic blade |
| _____ | r. Vibrations denature tissue proteins and coagulate blood vessels | 18. Ultrasonic surgical aspirator |