Acute Kidney Injury
Acute Kidney Injury - Clues

Across

2. The nephreni's individual filtering unit (10)
6. Percentage of the cardiac output directed to the kidneys (6,8)
8. Acute Kidney Injury may require ———— treatment (9)
11. Two of these carry urine to the bladder (7)
13. A new classification tool for Acute Kidney injury, the ———— criteria (8)
14. Kidney function that makes use of hydrostatic pressure (15)
15. The outer layer of the kidney (6)
16. Glomerular capsule or ———— capsule (7)
19. A distinct early phase of Acute Kidney Injury, typically with low urine output and electrolyte imbalance (6)
21. The kidney secretes ———— to help regulate blood pressure (5)
23. The glomerulus contains a semi-permeable ———— (8)
24. The renal artery divides into seven branches, or ———— (10)
26. Most common critical care presentation of Acute Kidney Injury (3,5)

Down

1. Blood leaves the kidney via the renal ———— (4)
2. The nephron contains ascending and descending ———— for secretion and reabsorption (7)
4. A role of the kidney, ———— balance (5)
5. The ———— arteriole carries blood to the glomerulus (8)
7. The efferent arteriole contains a larger ———— than the effenter arteriole (5)
9. During Acute Kidney Injury, waste products that are usually ———— by the kidney accumulate in the blood (4)
10. Functional unit of the kidney (7)
12. Body organ affected by Acute Kidney Injury (4)
17. Approximate number of nephrons per kidney (7)
18. Function of the kidney, ———— balance (4)
20. ———— is light or dark yellow in colour, depending on volume (5)
22. Blood returns to the heart via the ———— (4,4)
25. The inner layer of the kidney (7)
26. Type of Acute Kidney Injury (4)

All of the answers may be found in:

Instructions for Use: IFU Aquarius SW 6.02, Rev.4.1 (07/2014) and PM-0019-03.2015-Module 2 Aquarius system training-1.
Acute Kidney Injury - Answers
Aquarius System and Therapy
Aquarius System Training Crossword Puzzles

Aquarius System and Therapy – Clues

Across

4. Transport mechanism associated with Haemofiltration (10)
10. Maximum number of bags per scale hook (4)
11. A displayed pressure, calculated from top to bottom of Haemofilter (8,4)
13. Used to warm substitution/dialysate fluid (6)
14. Eleven of these can be found on an Aquamine circuit (5)
18. Aquarius uses four ———- transducers to monitor and control the system (6)
20. Release the wheel ———- to move an Aquarius (5)
21. Nitrogenous waste compound removed by renal replacement therapy (10)
22. The automated priming procedure requires about 800ml of physiological ———- (6)
26. Electrolyte removed in Haemofiltration, commonly associated with cardiac conduction (9)
28. Solvent for solutes, plasma ———- (5)
29. Colour - Filtrate pump, Filtrate tubing (5)
30. The other commonly removed nitrogen compound.. (4)
31. Alarms may be silenced for two minutes by pressing the ———- key (4)
33. The most commonly used therapy choice for Aquarius is ———- (15)
35. When no ———- anticoagulant is used, the anticoagulant line should be clamped (7)
36. Highest pressure point in the circuit, measured before the haemofilter (9)
37. The Aquamine access and return lines are simultaneously attached to the patient’s access and return ports in ———- connection mode (6)

Down

1. ———- may require additional priming solution and a new prime collection bag (7)
2. ———- optimises filter fibres, allows programming , encourages air removal, permits power off until Aquamine connection is required (13)
3. 24hr Clinical support is available form the ABP ———- service (5)
5. “——- Totals” in the 'Programming' screen resets all cumulative totals for fluid loss, substitution and dialysate fluid (6)
6. Water star sign (8)
7. Red Alarms are given a ——— priority (4)

8. Molecular weight cut-off (thousands of Daltons) for Aquamax filters (5,4)
9. Type of gradient required across the haemofilter fibres for effective solute diffusion (13)
12. Plasma water removal only, principle used in Slow Continuous Ultrafiltration (15)
15. Colour - Substitution/Dialysate pumps, Substitution/Dialysate line (5)
16. Colour - Blood pump, Access tubing (3)
17. To continue a new treatment after ———-, a new set of disposables must be used (13)
19. Available at the bottom of every screen, blue box for ———- (4)
23. ———- signals have a different sound and colour depending on their priority (5)
24. Treatment may be commenced by pressing the ———- Start/Stop key (7)
25. Size of molecule removed in Haemodialysis (5)
27. Keep Aquarius plugged in to mains power to charge the ———- (7)
32. A red message “——- filter and set” is displayed notifying the operator that the machine has been running for 72 hrs (6)
34. History displays the last ———- treatments (5)

All of the answers may be found in: Instructions for Use: IFU Aquarius SW 6.02, Rev.4.1 (07/2014) and PM-0019-03.2015-Module 2 Aquarius system training-1.
Aquarius System Troubleshooting
Aquarius System Training Crossword Puzzles

Aquarius System Troubleshooting – Clues

Across

1. When Aquarius is switched on, the system performs a ___________ (4,4)
2. Before recirculation or connection, access and return lines are connected to one bag for clamp and ___________ (8)
3. This menu allows the option to ___________ to another type of treatment (6,7)
4. As the Haemofilter clogs, High ___________ Pressure alarms may be seen (13)
5. During recirculation, a time or fluid loss ___________ may be set (9)
6. As the Haemofilter clogs, High ___________ Pressure alarms may be seen (6)
7. The number of ___________ on the substitution/haemofilter scale hooks should match the number of ___________ on the filtrate scale hooks (4)
8. A measurement of haemofiltration within the Haemofilter filter fibres, filtration ___________ (5)
9. The first of the four pumps to run during priming (4,8)
10. ___________ plasma exchange (11)
11. As treatments start, ‘_________ initialising’ is displayed (7)
12. Alternative measurement of haemofiltration within the Haemofilter filter fibres, filtration ___________ (6)
13. When programming ‘hourly patient fluid loss’, a ___________ fluid loss must also be programmed (5)
14. Detector found on the side of Aquarius, Yellow tubing ___________ (6,4)
15. Programmed patient fluid removal will be recorded hourly on the ‘treatment’ screen as a ___________ value (10)
16. In History, cumulative totals of treatment delivered and fluid loss can be found in ___________ (7,4)
17. Individual sterile ___________ found in each Aquafiller pack is used to prime the priming solution bag (9)
18. The Aquafiller tubing set is ___________ coded for ease of use (5)
19. Attach the ___________ line to the predilution t-piece or the Haemofilter dialysate port depending on the treatment required (4)
20. No return from selecting ___________ treatment is possible (9)

Down

2. Balance Start/Stop key is also called Start ___________ key (9)
3. During priming, the blood pump runs in ___________ to the direction of the arrow stamped on it (9)
4. Aquarius is typically connected to the patient by a vascular access ___________ (6)
5. Written instructions for Aquafiller attachment can be found in the ___________ menu (4)
6. An anticoagulant ___________ of 0.5ml to 2.5 ml may be given via the integrated anticoagulant drier (5)
7. Step-by-step instructions for Aquafiller tubing attachment can be found in the ___________ menu (4,7)
8. Aquafiller tubing set for ___________ treatment (8)
9. Temporary patient ___________ may be chosen by using recirculation during treatment (13)

All of the answers may be found in:

Instructions for Use: IFU Aquarius SW 6.02, Rev.4.1 (07/2014) and PM-0019-03.2015-Module 2 Aquarius system training-1.
Aquarius System Troubleshooting – Answers