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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Body Fluid Crossword Puzzle

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|  |  |  |  |  |  |  |  |  |  |  |  |  | 1  P |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2  D |  |  |  | R |  |  |  |  |  |  |  |  |  |  | 3  G |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | I |  |  |  | O |  |  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | F |  |  |  | T |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | F |  | 4  C | R | E | N | A | T | E | D |  |  |  |  |  | C |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | E |  |  |  | I |  |  |  |  |  |  |  |  |  |  | I |  |  |  |  |  |
|  |  |  |  |  | 5  S | U | B | A | R | A | C | H | N | O | I | D |  |  |  |  |  |  |  | A |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | N |  |  |  |  |  |  |  | 6  B |  |  |  |  |  |  | A |  |  |  |  |  |
|  |  |  |  |  |  |  | 7  L |  | T |  |  |  |  |  |  |  | A |  |  |  |  |  |  | C |  |  |  |  |  |
|  |  |  |  |  |  | 8  S | A | L | I | N | E |  | 9  W |  |  |  | 10  C | L | O | U | D | Y |  | E |  |  |  |  |  |
|  |  |  |  |  |  |  | T |  | A |  |  |  | R |  |  |  | T |  |  |  |  |  |  | T |  |  |  |  |  |
|  |  |  |  |  | 11  P | R | E | A | L | B | U | M | I | N |  | 12  M | E | N | I | N | G | I | T | I | S |  |  |  |  |
|  |  |  |  |  |  |  | X |  |  |  |  |  | G |  | 13  M |  | R |  |  |  |  |  |  | C |  |  |  |  |  |
|  |  |  |  |  |  | 14  X | A | N | 15  T | H | O | C | H | R | O | M | I | C |  |  |  |  |  | A |  |  |  |  |  |
|  |  |  |  |  |  |  | G |  | H |  |  |  | T |  | N |  | A |  |  |  |  |  |  | C |  |  |  |  |  |
|  |  |  |  |  |  |  | G |  | R |  |  |  |  |  | O |  | L |  |  |  |  |  |  | I |  |  |  |  |  |
|  |  |  |  |  |  |  | L |  | E |  |  |  |  |  | N |  |  |  |  |  |  | 16  G |  | D |  |  |  |  |  |
|  |  |  |  |  |  |  | U |  | E |  |  |  |  |  | U |  |  |  | 17  G |  |  | L |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | T |  |  |  | 18  C | Y | T | O | C | E | N | T | R | I | F | U | G | E |  |  |  |  |  |
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|  |  |  |  |  | 19  T | R | A | U | M | A | T | I | C | T | A | P |  |  |  |  |  | S |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 20  N | E | U | B | A | U | E | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across**  **4.** Rippled red cell edges, usually not reported  **5.** Hemorrhage evidenced by pathologically even color in all CSF collection tubes.  **8.** Red cell diluent  **10.** Whitish CSF appearance, indicating infection, presence of cells, or other conditions.  **11.** "Extra" CSF protein electrophoresis fraction not seen in serum  **12.** Infection related inflammation of one of the linings of the brain.  **14.** Colored CSF appearance due to hemoglobin liberated from hemolyzed red cell.  **18.** Equipment used to concentrate cells without disrupting appearance, usually using albumin  **19.** Two-word non-pathogenic procedural cause of red cells in CSF.  **20.** Improved counting chamber used to count cells | **Down**  **1.** Chemistry analyte present in higher levels in CSF with blood-brain compromise  **2.** Counting cell types to determine relative percentages.  **3.** Three word White cell diluent that destroys red cells and enhances white cell characteristics.  **6.** Infection type implicated on finding a predominance of neutrophils in CSS  **7.** Two-word method for direct antigen testing of CSF  **9.** Fluid used to stain morphologic characteristics of white cells for hematologic identification.  **13.** Not polynuclear  **15.** Tube number usually used for cell counts as it's less likely to be contaminated by peripheral RBCs  **16.** In CSF, normally about 65% of plasma value  **17.** Microbiology stain used to characterize bacteria. |