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Body Fluid Crossword Puzzle

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