**BIRTH DEFECTS STUDY GUIDE**

**Name:\_\_\_KEY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- | --- |
| **Birth**  **Defect** | **People Affected** | **When Appears** | **Method of Inheritance** | **Effect of Person** | **Treatment** |
| Cleft Lip/Palate | Anyone /  More common in Asians and Native Americans | Birth | Multi-Factorial | Two sides of lip and/or pallet not joined | Surgery |
| Club Hand/Foot | Anyone | Birth | Multi-Factorial | Foot and ankle/hand and wrist bent, making it impossible to walk/grasp normally | Surgery,  Corrective shoes |
| Color Blindness | Males | Birth to age 5 | X-Linked | Inability to distinguish certain colors | None |
| Cystic  Fibrosis | Anyone | Birth -  Some in adulthood | Recessive | Lack of an enzyme, mucous obstructions in body, especially lungs and digestion; growth retardation | Respiratory help |
| Down’s  Syndrome | More common to young or older parents or if already have a down’s baby | Birth | Chromosomal error | Some form of mental retardation; oval shaped eyes; thick, big tongue; short neck; back of head is flat; ears small; nose flat and wide; shorter, loose joints; heart problems. | Surgery for heart therapy;  Special assistance helps function better; no cure |
| **Birth**  **Defect** | **People Affected** | **When Appears** | **Method of Inheritance** | **Effect of Person** | **Treatment** |
| Hemophilia | Males | Birth | X-Linked and Blood Disorder | Absence of clotting factor in blood (bleeder’s disease), crippling and death from internal bleeding | Transfusions; avoid emotional stress; No cure |
| Muscular  Dystrophy | Anyone | Children or Adults | Multi-Factorial and X-Linked | Weakening of muscles, inability to walk, move, wasting away and sometimes death | None |
| Phenyl-ketonuria (PKU) | Anyone | Birth | Metabolic Disorder | Abnormal digestion of protein; mental retardation; hyperactivity | Preventable diet |
| Fetal Alcohol Syndrome | Anyone | Birth | Prenatal damage | Some form of mental retardation, facial abnormalities, deformed limbs | Special assistance needed;  Don’t Drink! |
| Cerebral  Palsy | Anyone | Birth to  Childhood | Multi-Factorial | Lack of muscle coordination; stiff or tight muscles and exaggerated reflexes; walking with one foot/leg dragging; soft muscle tone | Treat symptoms; no cure |
| STD/STI  Related | Anyone | Birth | Prenatal damage | Ear/eye infections, pneumonia, blindness; damaged bones, liver, blood; death | Treat symptoms; some with no cure |
| Neural Tube Defects | Anyone | Birth | Multi-Factorial and Congenital Malformation | Holes in spine; damage to brain; central nervous system damage | None;  Can be prevented with Folic Acid |