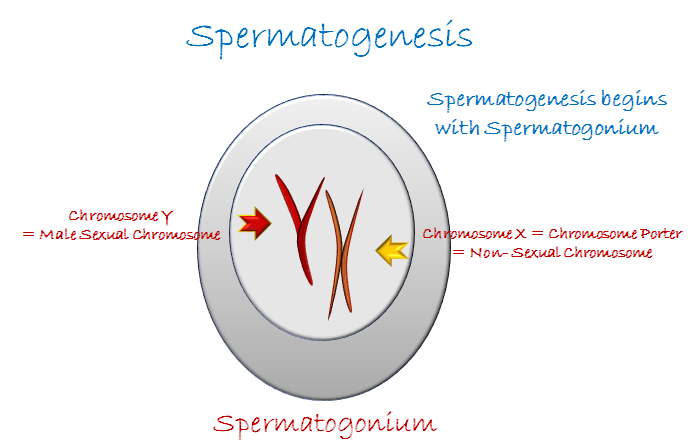
***AMMAR YASEEN MANSOUR***

***Spermatogenesis***

*Since the puberty, the spermatogonia start giving the spermatozoids.  
One spermatogonium gives four functional spermatozoids, of which two are males containing the male sexual chromosome Y, and two are females having the chromosome X (which I believe it to be a non- sexual chromosome.  
It is just a chromosome porter).*

*[](https://youtu.be/AA252qjldLk)For more details, see the linked video:*

*[video](https://youtu.be/AA252qjldLk)*

*N.B. The chromosome X in the nucleus of the spermatogonium & the small chromosome X in the oogonium nucleus are non- sexual chromosomes.  
They are their heritage from the mother stem cell of human beings.  
The cause of a such conception is quite explained in the following linked video:*[*Barr Body, Second Look*](https://youtu.be/Ofn55E_fYJI) *[video](https://youtu.be/Ofn55E_fYJI)*

*……………………………………………………………………………..*

*In another context, one can read:*

|  |  |
| --- | --- |
| *-* | [*Neural Conduction, Personal View vs. International View (Innovated)*](https://drive.google.com/open?id=1HYCsolqvWnlD9dbmqKzKc1wSo6CnFxwn) |
| *-* | [*Upper Motor Neuron Lesions, Pathophysiology of Symptomatology*](https://drive.google.com/file/d/1kwE-QYZWVzHsadu0wFL4Ckl5o2hGaxMe/view?usp=sharing) |
| *[video](https://youtu.be/6ChlKWK4OLs)* | [*Neural Conduction, Action Pressure Waves (Innovated)*](https://drive.google.com/open?id=1OPh2-qAwl2LqWLxdKY_WhJdFAKmCbbcC) |
| *[video](https://youtu.be/_ayskJT4v5c)* | [*Neural Conduction, Action Potentials (Innovated)*](https://drive.google.com/open?id=1T3EBNAcw_a5S4AoTJRdbOUpY0tVCtU4Y) |
| *[video](https://youtu.be/55zCk35swKs)* | [*Neural Conduction, Action Electrical Currents (Innovated)*](https://drive.google.com/open?id=1w62cTew8Rdr0nQnaBUvVQmhc2vNI7iTj) |
| *[video](https://youtu.be/7ncqfU_Zt3I)* | [*The Function of Action Potentials (Innovated)*](https://drive.google.com/open?id=1L-Dsk_HYb_ANrP_i1UOc4v-i5bFE6ilH) |
| *[video](https://youtu.be/GkSeiaw2vMk)* | [*The Three Phases of Neural Conduction*](https://drive.google.com/open?id=1qSxDdr6CutOhf-Jshr4khVVzjYiNX0vi) |
| *[video](https://youtu.be/OJ7B5uYBjJU)* | [*Neural Conduction in the Synapse (Innovated)*](https://drive.google.com/open?id=12b0huw55pTLS4uLzoBBDwkBI1kDE1v6z) |
| *[video](https://youtu.be/VRTXlfXutUs)* | [*Sensory Receptors*](https://drive.google.com/open?id=1kii7l4bCrQ-Zey4sCO51mqZ5DSXUNO2H) |
| *-* | [*Nodes of Ranvier, the Equalizers (Innovated)*](https://drive.google.com/open?id=1e0zPzYHnHfzR6pswcgyr5jF8rUi_yo77) |
| *[video](https://youtu.be/TmfanTSBnQA)* | [*Nodes of Ranvier, the Functions (Innovated)*](https://drive.google.com/open?id=15E7qLoDIl4glTeAKBs15tvn-5Q99p1nF) |
| *[video](https://youtu.be/hZ_bzG8kiFE)* | [*Nodes of Ranvier, Function N1 (Innovated)*](https://youtu.be/hZ_bzG8kiFE) |
| *[video](https://youtu.be/OqH6r2qhmxY)* | [*Nodes of Ranvier, Function N2 (Innovated)*](https://youtu.be/OqH6r2qhmxY) |
| *[video](https://youtu.be/IFSf8eo8V9Y)* | [*Nodes of Ranvier, Function N3 (Innovated)*](https://youtu.be/IFSf8eo8V9Y) |
| *-* | [*The Philosophy of Pain, Pain Comes First! (Innovated)*](https://drive.google.com/open?id=1HHkOUQnYOy2yrnl6h68dLt0fL0V6toDO) |
| *-* | [*The Philosophy of Form (Innovated)*](https://drive.google.com/open?id=1qFVpN21binPozXFCcuGrf-io0nDLlBi3) |
| *-* | [*Spinal Injury, Pathophysiology of Spinal Shock, Pathophysiology of Hyperreflexia*](https://drive.google.com/open?id=1qQ6Ch-mVj1boww9SAhkPVTwFhX2kVoXR) |
| *[video](https://youtu.be/kwwsHHKh0AQ)* | [*Spinal Shock (Innovated)*](https://youtu.be/kwwsHHKh0AQ) |
| *[video](https://youtu.be/DeRxShaIJ1o)* | [*The Clonus (Innovated)*](https://youtu.be/DeRxShaIJ1o) |
| *[video](https://youtu.be/-CmZSAKSo9w)* | [*Hyperactivity Hyperreflexia (Innovated)*](https://youtu.be/-CmZSAKSo9w) |
| *[video](https://youtu.be/BTtdZfhh_d8)* | [*Hyperreflexia, Extended Sector of Reflex*](https://youtu.be/BTtdZfhh_d8) |
| *[video](https://youtu.be/KfKzrZdQS1Y)* | [*Hyperreflexia, Bilateral Responses*](https://youtu.be/KfKzrZdQS1Y) |
| *[video](https://youtu.be/0R1k_tK14us)* | [*Hyperreflexia, Multiple Responses*](https://youtu.be/0R1k_tK14us) |
| *-* | [*Nerve Conduction Study, Wrong Hypothesis is the Origin of Misinterpretation (Innovated)*](https://drive.google.com/open?id=1tEuDZryjUH1aBm9D0F9eQ9ME9KkfcpJL) |
| *[video](https://youtu.be/sEuDDBoeCIA)* | [*Wallerian Degeneration (Innovated)*](https://drive.google.com/open?id=1Al56zec4gm7qWRkIN1EWuXnDu6Fa-Puz) |
| *[video](https://youtu.be/CGyaV6w5594)* | [*Neural Regeneration (Innovated)*](https://drive.google.com/open?id=18k3PJaNlLYsL_B6K6Mvb1Fg5gYHJJuSN) |
| *-* | [*Wallerian Degeneration Attacks Motor Axons, While Avoids Sensory Axons*](https://drive.google.com/open?id=16UIXUrcsMn2_pHNeDbAlIkqjwK6vVA8R) |
| *[video](https://youtu.be/A6NtqqcMKB0)* | [*Barr Body, the Whole Story (Innovated)*](https://drive.google.com/open?id=1MsjgYESiWd3slc7i9s9mSiwOAnWFfrys) |
| *[video](https://youtu.be/byGU-uDGAzM)* | [*Boy or Girl, Mother Decides!*](https://drive.google.com/open?id=1Mq5x5lqJ1givipdwAjcFyHAkEqdiJIdH) |
| *[video](https://youtu.be/VsmAEwMexmE)* | [*Adam's Rib and Adam's Apple, Two Faces of one Sin*](https://drive.google.com/open?id=1SEtq6SqQxNHHOn0q4TqrS2mhVumXNQv5) |
| *[video](https://youtu.be/ioktmQKsUNM)* | [*The Black Hole is a (the) Falling Star?*](https://drive.google.com/open?id=1yYTgQsQy08U2l9IurwiCX543yakWkIok) |
| *[video](https://youtu.be/jjl8SMMkLeA)* | [*Adam's Rib, could be the Original Sin?*](https://drive.google.com/open?id=10CEzaQ2cbFr6CQI-d8VTur7Ekq2VnyF0) |
| *[video](https://youtu.be/sYFlZ-2EM20)* | [*Pronator Teres Syndrome, Struthers Like Ligament (Innovated)*](https://drive.google.com/open?id=103EXeNX0ekUNDZjyLyU1pJLaz_sSyAia) |
| *[video](https://youtu.be/5A-S1GgHqjk)* | [*Function of Standard Action Potentials & Currents*](https://youtu.be/5A-S1GgHqjk) |
| *[video](https://youtu.be/9u9yDd8NIoE)* | [*Posterior Interosseous Nerve Syndrome*](https://drive.google.com/open?id=1JsmICiXRYKNbYg3CiW9YlZm4pRBJ5SOB) |
| *[video](https://youtu.be/ClqHfY65WQI)* | [*Spinal Reflex, New Hypothesis*](https://drive.google.com/file/d/1Nh0yxWLf3gPOlSKdftIZykUjb3xpsPBe/view?usp=sharing) *of Physiology* |
| *[video](https://youtu.be/qlgZUbWVXzs)* | [*Hyperreflexia, Innovated Pathophysiology*](https://drive.google.com/file/d/14TlTu_9KrF0DGbEDE_VgCpYdSAzBMVU7/view?usp=sharing) |
| *[video](https://youtu.be/crbdk1RTU64)* | [*Clonus, 1st Hypothesis of Pathophysiology*](https://drive.google.com/file/d/1WoXzIR5GdtpjYZ-4UjfFt62Kat6rn8K8/view?usp=sharing) |
| *[video](https://youtu.be/DKdPe-RJsn4)* | [*Clonus, 2nd Hypothesis of Pathophysiology*](https://drive.google.com/file/d/1YOWvqNtk818HbIQVaevYI-dwIk4Bonsj/view?usp=sharing) |
| *[video](https://youtu.be/1nP8K8aW3uE)* | [*Clonus, Two Hypotheses of Pathophysiology*](https://drive.google.com/file/d/1YOWvqNtk818HbIQVaevYI-dwIk4Bonsj/view?usp=sharing) |
| *[video](https://youtu.be/G6my9xo1iM8)* | [*Hyperreflexia (1), Pathophysiology of Hyperactivity*](https://drive.google.com/file/d/1YOWvqNtk818HbIQVaevYI-dwIk4Bonsj/view?usp=sharing) |
| *[video](https://youtu.be/q1mMORyoNLY)* | [*Hyperreflexia (2), Pathophysiology of bilateral Responses*](https://drive.google.com/file/d/1Gd85ZcKFIMG_0H6QeE7mez4-XvP1o2OV/view?usp=sharing) |
| *[video](https://youtu.be/5iViwU_y3-M)* | [*Hyperreflexia (3), Pathophysiology of Extended Hyperreflex*](https://drive.google.com/file/d/18soM_THFCzezkfBfBEG9UdoO0qWHLGlz/view?usp=sharing) |
| *[video](https://youtu.be/PteMImPyZ0A)* | [*Hyperreflexia (4), Pathophysiology of Multi-Response Hyperreflex*](https://drive.google.com/file/d/1xRj0t5guxfzMsl3b0aeg6SHdWCwlQIEw/view?usp=sharing) |
| *[video](https://youtu.be/Ofn55E_fYJI)* | [*Barr Body, the Second Look*](https://drive.google.com/file/d/1-aKUsKo4-IIkdd9BsKK70iYutlycSwl6/view?usp=sharing) |
| *[video](https://youtu.be/QiL2et83B6Q)* | [*Mitosis in Animal Cell*](https://drive.google.com/file/d/1pekYoORykP7Bbl6o-VMAI8pJPcj1JVYh/view?usp=sharing) |
| *[video](https://youtu.be/V44fzBLsGpE)* | [*Meiosis*](https://drive.google.com/file/d/1-a1NFgX0ndKYY6GRrEBJSmCpEBiOXnzx/view?usp=sharing) |
| *[video](https://youtu.be/8OIvbXZ0xM4)* | [*Universe Creation, Hypothesis of Continuous Cosmic Nebula*](https://drive.google.com/file/d/1Hs27xIEXwX7Yb9a5XvoiM_Qk5o3ufmUg/view?usp=sharing) |
| *[video](https://youtu.be/UPyZWXSon3Y)* | [*Circulating Sweepers*](https://drive.google.com/file/d/1FIZvJF67F5te_ye8V1mZDx_aVtF2k8tc/view?usp=sharing) |
| *[video](https://youtu.be/wB1F9p8PICE)* | [*Pneumatic Petrous, Bilateral Temporal Hyperpneumatization*](https://drive.google.com/file/d/1lbewP5eC703bxcRw0VZV2W1x4OY9oStV/view?usp=sharing) |
| *[video](https://youtu.be/wofEWjGJFS0)* | [*Ulnar Nerve, Congenital Bilateral Dislocation*](https://drive.google.com/file/d/1V2mKzzV_RjoCYoJ0LRBelClJmiRv-ZnX/view?usp=sharing) |
| *[video](https://youtu.be/L0Odkd-9ZHY)* | [*Oocytogenesis*](https://drive.google.com/file/d/1UR57GGSvkorIaZCrBbjwWT2FCngu4x21/view?usp=sharing) |

*4/12/2020*