

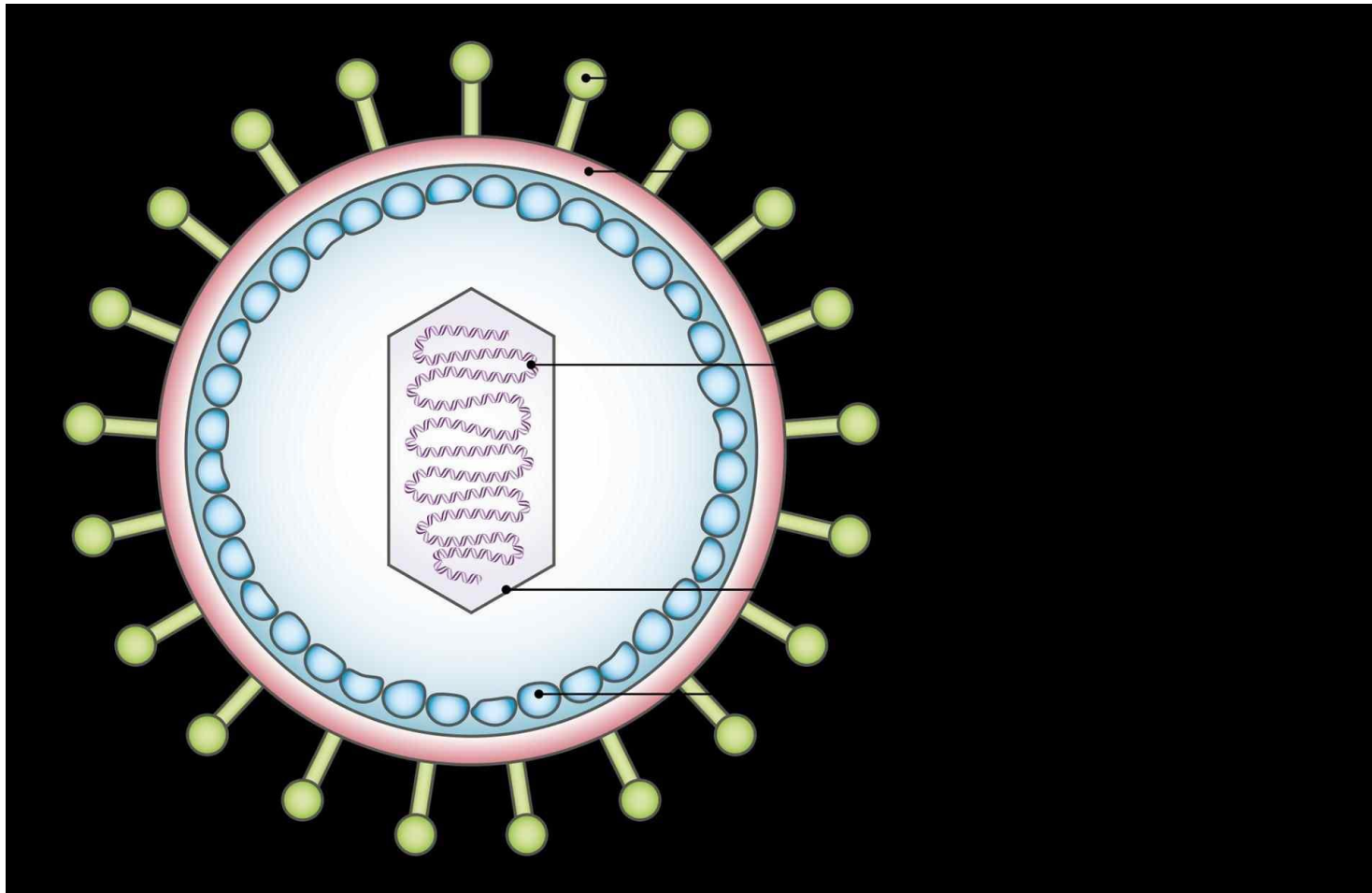
Human Papilloma Virus and the Skin

Introduction of the HPV Vaccine

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Dr Maria Pereira

Schematic Diagram of HPV



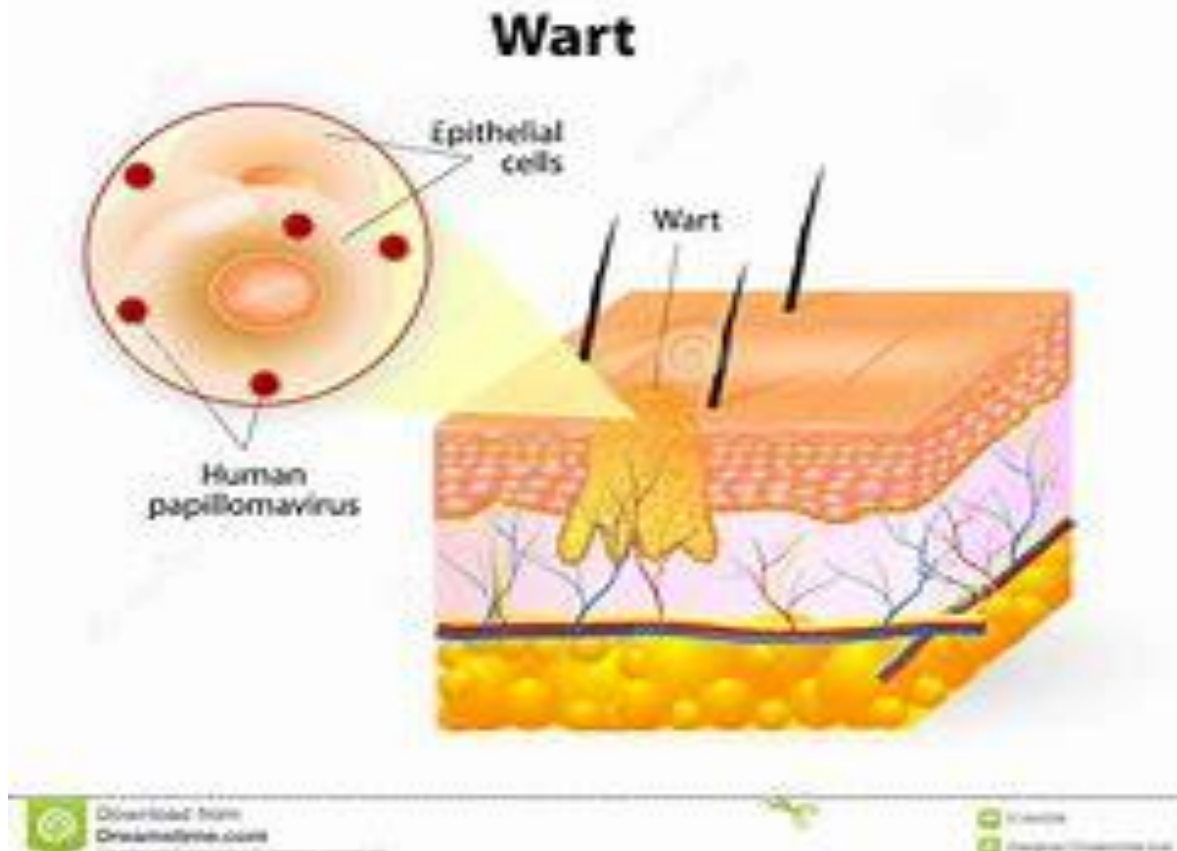
Human Papilloma Virus

- HPV is a double stranded circular DNA virus of the papillomavirus family
- Over 170 types of HPV are known
- 40 types are transmitted via sexual contact
- HPV can live for many months without a host
- Contagious
- 80% of HPV infection is removed by the body's immune system

Human Papilloma Virus

- Each HPV in the group is given a number and is call an HPV type e.g. HPV 16
- Low risks HPV types cause warts which are non-cancerous tumors
- High risk HPV types cause cancer e.g. cancer of the cervix, vagina, vulva, anus, penis, throat and tongue

Skin Infections Caused by HPV



Skin Infections Caused by HPV



Types of Warts Caused by HPV

- Common Warts
 - Found on the hands, feet, elbows and knees
- Plantar Warts
 - Found on the soles of the feet
- Subungual Warts
 - Found under the fingernail, around the fingernail or cuticle
- Flat Warts –found on arms, face or forehead

Flat Warts on the face



Warts Caused by HPV



Diagnosis of HPV

- Skin Warts
 - Visual
- Genital Warts
 - Pap Smear, HPV Testing
- Anal Warts
 - Anal swab especially for MSM, women who engage in anal intercourse

Treatment of HPV Warts



Treatment of HPV Warts

- Topical Medications
 - Imiquimod, podophyllin
- Cryotherapy
 - Uses liquid Nitrogen
- Cone Biopsy
 - Removes abnormal areas
- Laser therapy
- Loop electrosurgical excision procedure

Treatment of HPV Warts

- Laser Therapy
 - Uses laser light to burn away abnormal cells
- Loop electrosurgical excision procedure – LEEP
 - Uses an electrical current to remove abnormal cells

Warts



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Prevention of HPV

- Vaccines
 - Gardasil
 - Cervarix
 - Gardasil 9

Prevention of HPV

- Sexual abstinence
- Condoms and lubricants
- Vaccination

Prevention of HPV



Prevention of HPV



Gardasil Dosage

- 11 – 12 years
 - Two shots six months apart
- Older teens
 - Three doses

Gardasil



Boost the Immune System

- Manage Stress Levels
- Get high quality sleep
- Avoid smoking and drinking alcohol
- Exercise
- Use condoms

Yes Yes We Can



Dr Maria Pereira