

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Wall Magazine -2021-22

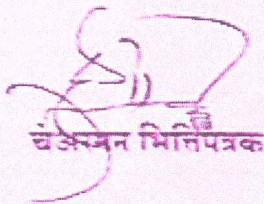
प्रजासत्ताक दिन विशेषांक

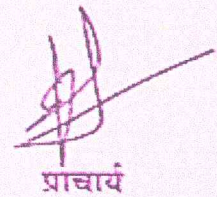
सूचना

दि. १० जाने, २०२२

महाविद्यालयातील सर्व विभागप्रमुखांना सूचित करण्यात येते की, प्रजासत्ताक दिनाच्या निमित्ताने दि. २६ जाने., २०२२ रोजी प्रत्येक विभागाच्या भित्तिपत्रकाच्या विशेषांकाचे प्रकाशन करावयाचे आहे. त्याचे नियोजन खालीलप्रमाणे करण्यात आले आहे.

१. सर्व विभागांनी आपल्या विद्यार्थ्यांकडून चित्रे, मजकूर गोळा करून सॉफ्ट कॉपी किंवा हार्ड कॉपीत भित्तिपत्रक तयार करून दि. २६ जाने., २०२२ रोजी आपापल्या विभागात पाहुण्यांच्या हस्ते प्रकाशन व विद्यार्थ्यांकडून त्याचे ऑफलाईन किंवा ऑनलाईन सादरीकरण करून घ्यावे.
२. या भित्तिपत्रकाचे नाव स्वतंत्र असावे, विशेषांक एखाद्या विषयाला वाहिलेला असावा. चित्रे-रेखाचित्रे वगळता इतर मजकूर टंकलिखितच असावा. कलर प्रिंट असावी. इंग्रजी फॉन्ट साईझ मजकूर १६ व हेडिंग १८ असावा; तर मराठी फॉन्ट (कोफिळा) साईझ मजकूर १८ व हेडिंग २० असावा. हस्ताक्षरातील मजकूर असल्यास अक्षरे सुवाच्य असावीत. मांडणी कल्पक असावी.
३. अंकाची संगणकीय प्रत (सॉफ्ट कॉपी) PDF करावी व ऑनलाईन प्रकाशन समारंभात शेअर करून विद्यार्थ्यांकडून त्याचे सादरीकरण करून घ्यावे.
४. जर अंक ऑफलाईन काढणार असाल तर, प्रमुख पाहुण्यांच्या हस्ते त्याचे प्रकाशन व विद्यार्थ्यांकडून सादरीकरण करून घ्यावे. नंतर सर्व मजकूर व चित्रे यांचे नीट व क्रमाने फोटो काढून पीडीएफ स्वरूपात (soft copy) भित्तिपत्रक चेअरमन (anandsonu23@gmail.com) व IQAC (lokdebhagwans@gmail.com) ला मेल करावी.

  
चेअरमन भित्तिपत्रक

  
प्राचार्य

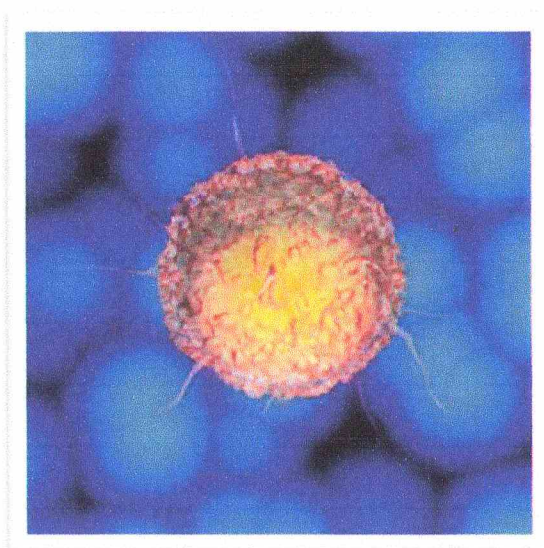


Rayat Shikshan Sanstha's

## **D.P.Bhosale Collage, Koregoan**

Department of Microbiology

**2021-2022**



President : **Principal Dr. Vijaysinha Sawant**

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# **ONCOGENESIS VIRUSES**

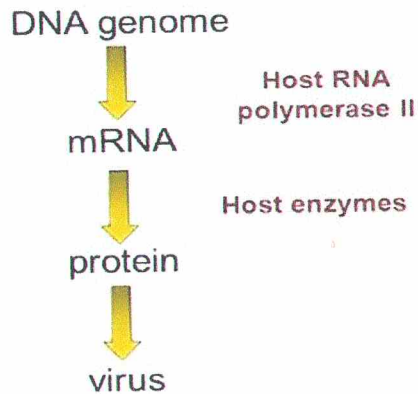


**Department of Microbiology**

**YEAR: 2021-2022**

# DNA Tumor Virus

## DNA Tumor Viruses



**OR TRANSFORMATION**  
In transformation usually only **EARLY** functions are expressed

### DNA Tumor Viruses :-

DNA tumor virus have a DNA genome that is transcribed into RNA which is translated into protein . They have two life-styles: In permissive cells, all parts of the viral genome are expressed. This leads to viral replication, cell lysis and cell death.

:- In permissive cells, all parts of the viral genome are expressed. This leads to viral replication, cell lysis and cell death.

:- In cells that are non-permissive for replication, viral DNA is usually, but not always, integrated into the cell chromosomes at random sites. Only part of the viral genome is expressed. This is the early, control functions (e.g. T antigens) of the virus. Viral structural proteins are not made and no progeny virus is released.

## Causes :-

However, most viral infections do not lead to tumor formation as several other factors influence the progression from viral infection to cancer development.

:- IN Which Five Group of DNA Virus Causes in Human , that is Papova , Pox, Adeno, Hepaeatitis B, Herpes .

## Ex-- Papova Virus :

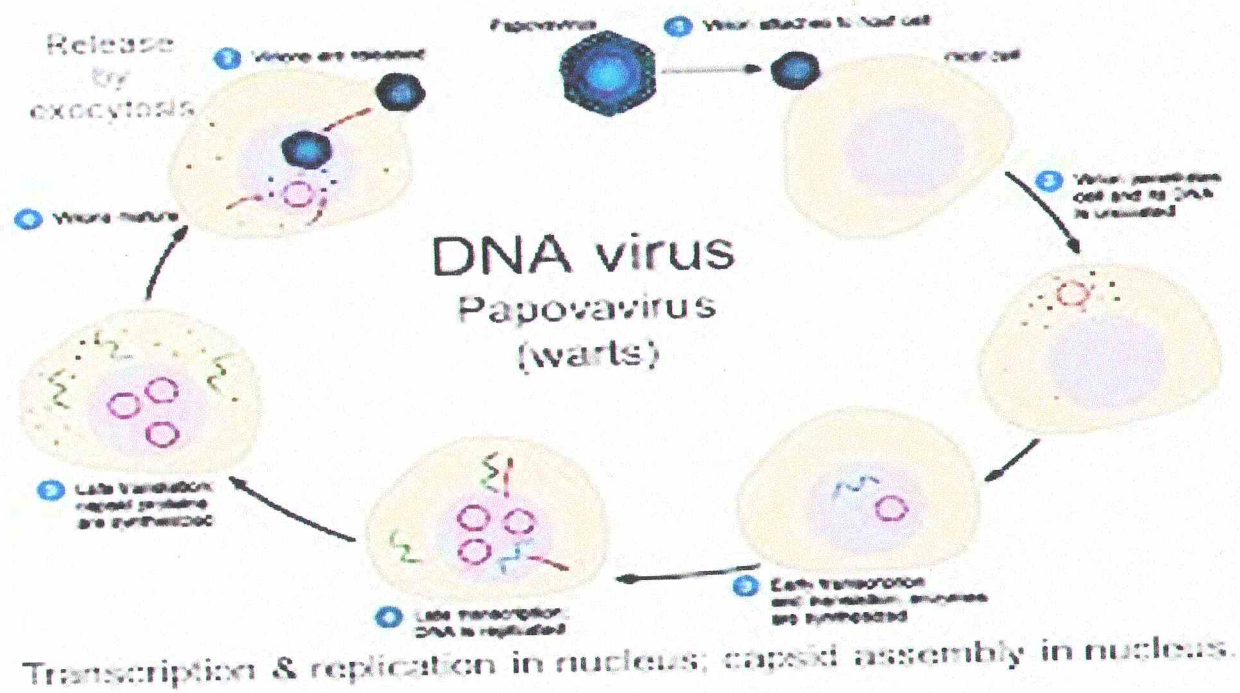
Papovavirus, any virus in the families Papillomaviridae and Polyomaviridae. Papovaviruses are responsible for a variety of abnormal growths in animals: warts (papillomas) in humans, dogs, and other animals; cervical cancer in women; tumours (polyomas) in mice; and vacuoles (open areas) in cells of monkeys .

## Symptoms :-

Papovavirus Tumor is AseptomatiC .

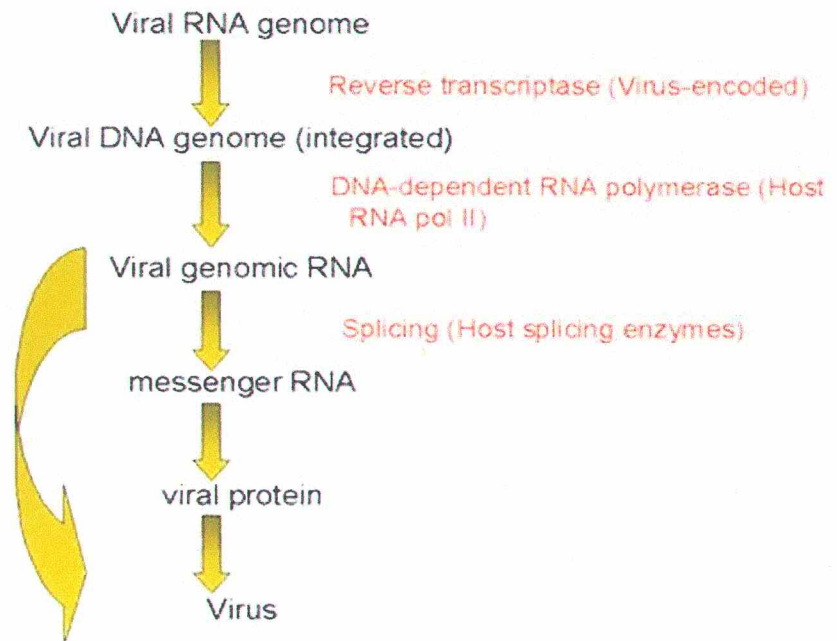
## Treatment :-

Although cidofovir has been used to treat papovavirus infections, effective treatment still needs to be established. CMX001, an oral lipid conjugate of cidofovir with enhanced in vitro activity for BK virus, was found to mitigate BK virus-associated cystitis in stem cell transplant recipients.



# RNA Tumor Virus

## RNA Tumor Viruses



## RNA Tumor Viruses :-

RNA tumor viruses are different from DNA tumor viruses in that their genome is RNA but they are similar to many DNA tumor viruses in that the genome is integrated into the host genome.

:- Since RNA makes up the genome of the mature virus particle, it must be copied to DNA prior to integration into the host cell chromosome. This life style goes against the central dogma of molecular biology in which that DNA is copied into RNA.

:- RNA tumor viruses or [oncornaviruses](#) are members of the retrovirus family.

## Cause :-

This Virus Causes Leukemia and Sarcoma in a Chicken .

:- An oncovirus or oncogenic virus is a virus that can cause cancer. This term originated from studies of acutely transforming retroviruses in the 1950–60s, when the term "oncornaviruses" was used to denote their RNA virus origin.

## Ex -- Leukemia :

- :- A genetic predisposition.
- :- Down syndrome.
- :- Human T-lymphotropic virus (HTLV)

## Symptoms :-

Leukemia Symptoms Vary, Depending on the type of leukemia. Common leukemia signs and symptoms include :

Fever or Chills Persistent fatigue , Weakness Frequent or severe infections Losing Weight without trying Swollen lymph nodes , enlarged liver or spleen .

Easy bleeding or bruising Recurrent nosebleeds Tiny red spots in your skin (petechiae).

Excessive sweating , especially at night .

Bone Pain or Tenderness .



## Treatment:-

Common treatments used to fight leukemia include:-

- Chemotherapy. Chemotherapy is the major form of treatment for leukemia. ...
- Targeted therapy. ...
- Radiation therapy. ...
- Bone marrow transplant. ...
- Immunotherapy. ...

