# Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh

Date: 25/09/2020

## World Pharmacist Day Competitions

World Pharmacist Day is celebrated every year on 25<sup>th</sup> September 2020. To mark this day, various Competitions were held in Shree Naranjibhai Lalbhai Patel College of Pharmacy, during 23<sup>rd</sup> -25<sup>th</sup> September 2020. This year, the celebrations were visualized by online competitions of students due to the Corona Pandemic. The activity was successful with an exuberant number of online student participations. The students were asked to send the high quality images and a short videoshoot of their activities. The Competitions were organized based on the Pharma Theme.

Students were encouraged to participate in following events: Pharma Rangoli, Drawing, Pharma Nail Art, Pharma Poster and Pharma Short Film. These events bring out the creativity and hidden potentials among the students. These extracurricular activities not only boost their confidence but also develop an inclination towards the academics. The prizes given away were as under:

#### <u>Pharma Short Film</u> (available on college website – www.snlpcp.ac.in)

1<sup>st</sup> Prize: Featured on "**Towards Covid-19 Patients**" Directed By 5<sup>th</sup> Sem Students Mistry Arpit k Maisuriya Kevin, Khushwaha Jayesh, Desai Rucha

Link: https://drive.google.com/file/d/1mGQBpMrZLgQGtbTwFIBpwRBYxB7RAxI4/view?usp=drivesdk

2<sup>nd</sup> Prize: Feature Film "**Avoid Self Medication**" by 3rd sem students Jay lad, Nil prajapati, Utsav Prajapati, Kevin Patel

Link: https://drive.google.com/file/d/190z7E2Wzcli2GeE-wlhbxbvUj8IDPg8E/view?usp=drivesdk Both the films have been uploaded on the college website 'video section'

# Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrakh

## Pharma Nail Art



1<sup>st</sup> Prize- Aabha Patel (5<sup>th</sup> Sem)







3<sup>rd</sup> Prize- Priya Shailesh Patel(5<sup>th</sup> Sem)

# Pharma Rangoli



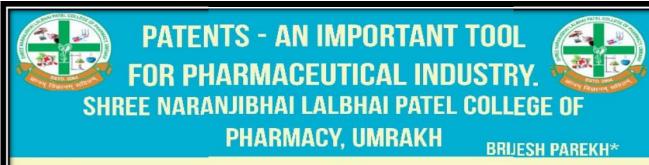
1<sup>st</sup> Prize- Dharmi Mandani (5<sup>th</sup> Sem)



2<sup>nd</sup> Prize- Heli V Patel (7<sup>th</sup> Sem) 3<sup>rd</sup> Prize- Tulsi Desai (3<sup>rd</sup> Sem)

## **Pharma Poster**

1<sup>st</sup> Prize: Brijesh Parikh (7<sup>th</sup> Sem)



#### ABSTRACT

THE INTELLECTUAL PROPERTY PROTECTION IN THE DEVELOPMENT OF NEW PRODUCT FOR PHARMACEUTICAL IS THE MOST IMPORTANT ASPECTS TILL THE APPROVAL OF THE NEW DRUG. THE IMPORTANCE OF THE PATENTS TO PHARMACY INNOVATION HAS BEEN REPORTED IN SEVERAL CROSS-INDUSTRY STUDY BY ECONOMIST. PRIOR STUDIES HAVE FOUND THAT INVENTION THROUGH PATENTS PLAY A MORE CRITICAL ROLE IN APPROPRIATELY THE BENEFITS OF INNOVATION IN THE PHARMACEUTICAL COMPARED TO OTHER INDUSTRIES OF THE PATENTS EXPIRY OF THE THE BLOCKBASTER DRUG AND IT'S REDUCTION IN SALES.

A PATENT IS A KIND OF INTELLECTUAL PROPERTY. THE TERM PATENT CAN BE DEFINED AS "A MONOPOLY RIGHT CONFERRED TO THE INVENTOR WHO HAS INVENTED A NEW PRODUCT OR PROCESS THROUGH HIS/HER INTELLECTUAL EFFORTS CAPABLE OF INDUSTRIAL APPLICATION 1, 10. PATENTS ARE EXCLUSIVE PROPERTY RIGHTS IN INTANGIBLE CREATIONS OF THE HUMAN MIND AND IT IS AWARDED IN RECOGNITION OF INNOVATION AND MORE PARTICULARLY THE INVESTMENT REQUIRED TO FOSTER TECHNICAL ADVANCE AND THE DEVELOPMENT OF NEW IDEAS.

A SHORT COMPARISON OF PRODUCTS THAT LISE PATENT PROTECTION:
THIRTEEN US BLOCKBUSTERS WILL LOSE PATENT PROTECTION OVER THE NEXT
TWO YEARS, THE BELOW DATA SHOW THE CHALLENGES FACING THE PHARMACEUTICAL
INDUSTRY, DRUGS WORTH \$15.3BN FACED GOVERNOR COMPETITION IN YEAR
2011-12, \$1388N OF BRANDED DRUGS FACEPATENT EXPIRY IN NEXT SIX YEARS
IN THE US ALONG. TO HIGHLIGHT PRIZER TO BEAR BRUNT OF PATENT CLIFF WITH

CRITERIA FOR PATENTABILITY
FOR ANY PATENT TO BE GRANTED IN ANY
GEOGRAPHY IT SHOULD FOLLOW THE
FOLLOWING CRITERIA:

- INVENTION SHOULD BE A PATENTABLE SUBJECT MATTER IN THE US GEOGRAPHY
- IT SHOULD HAVE UNITY OF INVENTION.
- HAVE INVENTIVE STEP OR NON-OBVIOUS
  TO A PERSON SKILLED IN THE ART.
- BE CAPABLE OF INDUSTRIAL APPLICATION
  I.E. UTILITY.
- PHARMACEUTICAL PRODUCTS TAKE A VERY LONG TIME TO DEVELOP AND ENTER MARKET FOR HUMAN USE. IT TAKES 10—15 VEARS ON A VERAGE TO DEVELOP A NEW DOSAGE FORM WHICH IS CLINICALLY, PROVED SAFETY AND EFFICACY FROM THE EARLIEST STAGES OF COMPOUND DISCOVERY THROUGH APPROVAL, AS A RESULT, SIGNIFICANT PORTIONS OF THE PATENT TERM FOR A NEW DRUG ARE LOST

FACT, THE AVERAGE EFFECTIVE PATENT LIFE FOR MEDICINES IS 11.5 YEARS5, 9, THE SAME IS ILLUSTRATED IN THE BELOW FIGURE:











HOWEVER, WHEN A MAJOR BLOCKBUSTER LOSES PATENT PROTECTION, GENERIC COMPETITION LEAVES A GAPING HOLE IN THE TOP LINE, ABRUPTLY CHANGING A COMPANY'S GREATEST STRENGTH INTO ITS GREATEST LIABILITY. LET'S TAKE A CLOSER LOOK AT THREE BLOCKBUSTER DRUGS THAT WILL LOSE PATENT PROTECTION IN 2014.

BY 2016, MEDICINES THAT GENERATE SALES OF \$133BN FOR THEIR MANUFACTURERS IN THE US ALONE WILL BE EXPOSED TO GENERICS.

#### CONCUESION

IT IS KNOWN FACT THAT PATENTS ARE TEMPITORIAL RIGHTS OND PATENT REGIMES ARE CENERALLY PRIOT OF PRODUCT THE CHANGEDICAL BIND INDESTRUCT.

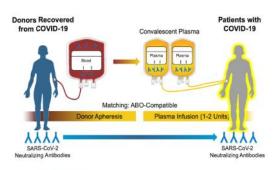
EFFECTIVELY USED TO DESCRIBE OR BEIND STAND COMPSTERING WITH PUBLIC HEALTH STRIBEDICS. PATENTS OWER MINOR DEVELOPMENTS MAY BE
EFFECTIVELY USED TO DESCRIBE OR BEIND COMPSTERIOR. SERREM PROBLEGES, PROPRIASING AGENCIES AND CHARGES, SEPECIALLY IN LEYER UPPER
COUNTRIES, SCHERALLY LACK THE SUBSTANTIAL TECHNICAL AND FRANCIAL RESOURCES RECEIVED TO GRAINE FOR WITHOUT OR THAT PROPRIED PROBLEMS ON DEFEND
ANAMET INFRINGEMENT CLAIMS. IT IS VERY MORRISORIEM FOR BRANCE PROBLEMS ON DEFEND
TO GRAINER THE INVESTMENTS. THEREFORE IT IS WIRELY OCKNOWLEDGED THAT PATENTS ARE A PUNCHMENTAL RICCHTIVE TO INVOVATIVE ACTIVITIES IN

Sp Adobe Spark

## Plasma therapy in treatment of covid-19

# What is plasma?

- Plasma' is the liquid component in the blood that carries antibodies, hormones and various nutrients across the body.
- Plasma is the plasma collected from people who were infected and have made a complete recovery; these people develop antibodies which are of vital importance.





# What are function of blood plasma?

- •Antibodies once bound to the virus neutralize it.
- The antibodies activate the pathways and help to prevent further damage to cell.
- •Plasma transfused from at least two donors provides diverse antibodies, thus delivering greater protection to the immune system

# How can you become a piasma donor?

- A donor must wait up to 14-28 days after full recovery before being approved to donate, the person must.
- >Not have fever.
- Not have any respiratory difficulties.
- ➤ Have normal oxygen levels i.e. between 95 percent and 100 percent.
- >Have overall good health.
- >At the time of infection, a valid and official diagnostic test must be done to confirm SARS-COVID

# Interesting Facts About Plasma Therapy?

- ➤In Therapy1918: It was used to treat HIN1 and influenza virus pandemic, popularly known as the Spanish flu.
- > The World Health Organization (WHO) recommended the use of plasma therapy to treat Ebola patients in 2015.
- ➤It was also recommended to treat the Middle East Respiratory Syndrome (MERS)

# 3<sup>rd</sup> Prize: Gaurav Patel and Raj Patel (3<sup>rd</sup> Sem)

