

Aurora's Degree & PG College

(Accredited by NAAC with 'B++' grade)

Chikkadpally, Hyderabad 500020

Department of Genetics



EVENT REPORT

NAME OF THE EVENT	World Haemophilia day
TYPE OF EVENT	Departmental event
FACULTY INCHARGE	Akhila. P
DEPARTMENT	Genetics
DATE	April 17, 2020
VENUE	Online
TARGET AUDIENCE	UG students

OBJECTIVE

To bring awareness among the students on Haemophilia, a genetic disorder, its inheritance and incidence.

BRIEF ABOUT THE EVENT

Every April 17 World Haemophilia Day is recognized worldwide to increase awareness of haemophilia and other inherited bleeding disorders. This is a critical effort since with increased awareness comes better diagnosis and access to care for the millions who remain without treatment.

This year marked the 31th World haemophilia day. World Hemophilia Day theme 2020 was "Get + involved". The longevity of this celebration is proof that how people are becoming aware of haemophilia and other bleeding disorders.

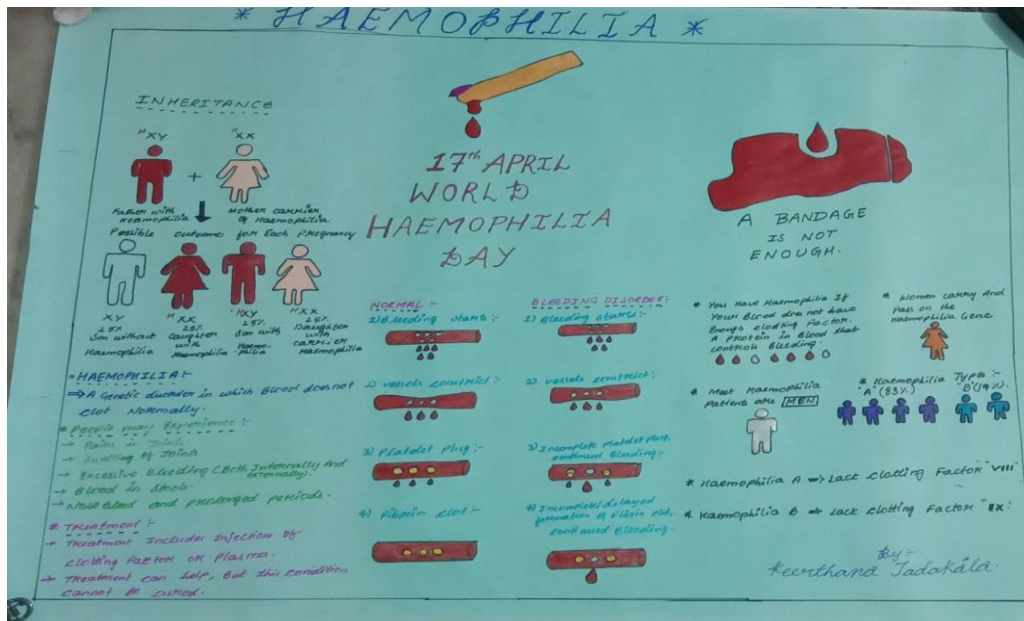
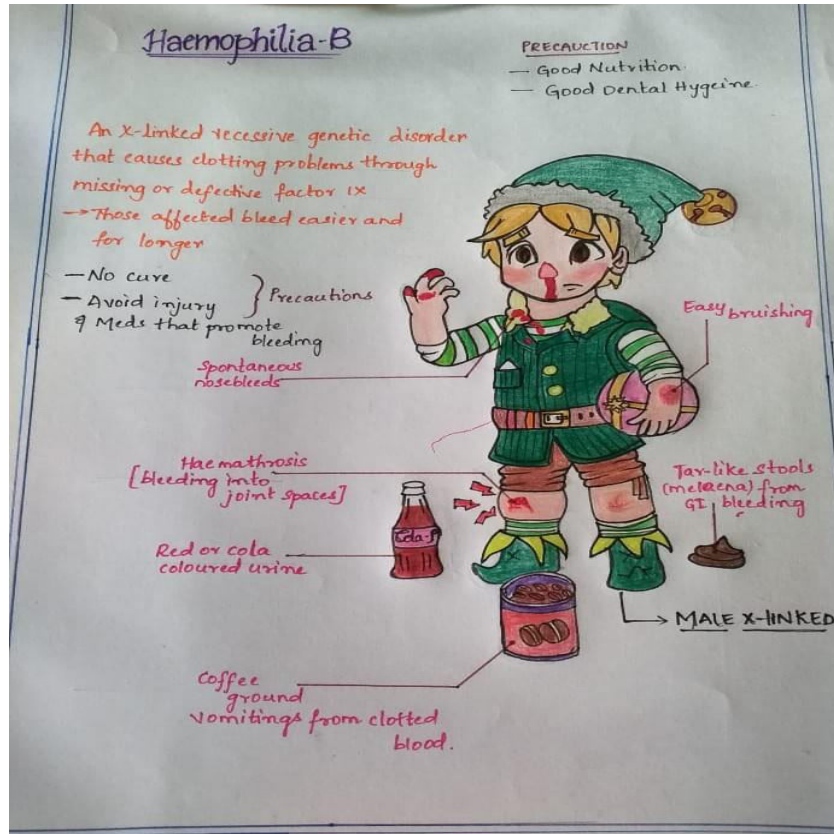
This year we have conducted this event in a different way as we were all fighting against an infectious disease caused by a newly discovered coronavirus by staying home to control its spread.

Drawing competition was conducted, where the participants were given to draw something creative regarding haemophilia disorder.

OUTCOME

Students actively participated in the event and gained knowledge on Haemophilia.

PHOTOGRAPHS



DETAILED REPORT

The winners of the drawing competition:

First prize – Maimuna Sulthana & Keerthana (MiGC 3B)

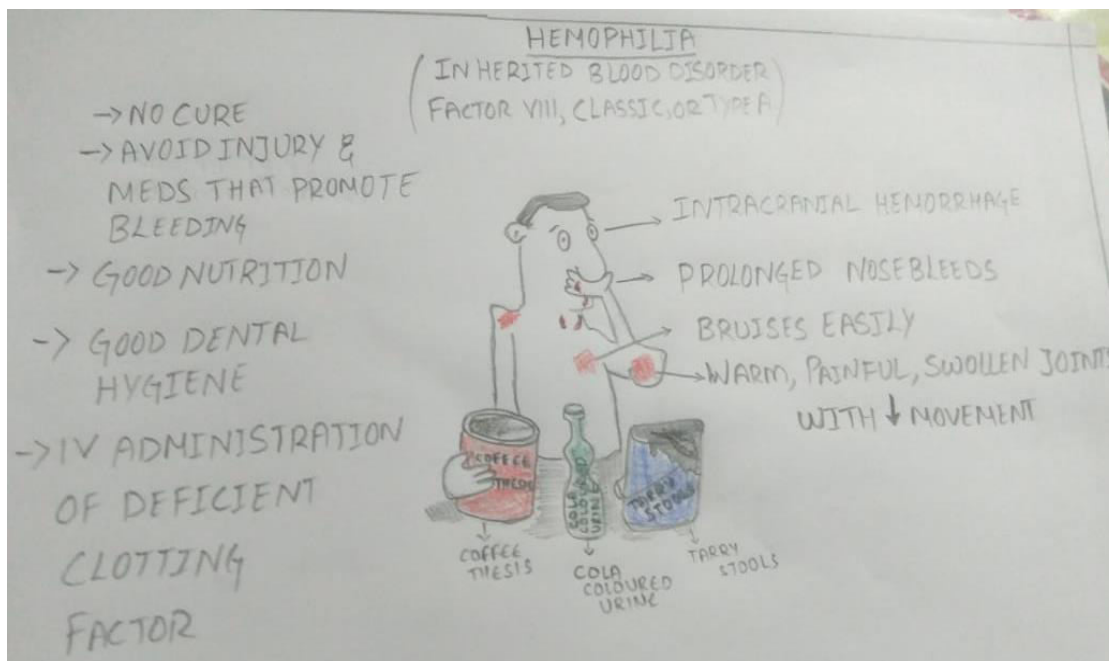
Second prize – Bhavani & Muskan (MiGC 3B)

Third prize – Abhilash Kancharla & Chandra Vamshi (MiGC 3A)

List of the participants:

NAME	ROLL NO.	CLASS	SECTION
Abburi Prakeerthi	1051-17-459-001	MiGC III	A
Bijji Divya Bhargavi	1051-17-459-007	MiGC III	A
Burra Deepika	1051-17-459-008	MiGC III	A
Dasari Akhila	1051-17-459-010	MiGC III	A
Abhilash Kancharla	1051-17-459-024	MiGC III	A
Chandra Vamshi	1051-17-459-025	MiGC III	A
T. Baby Kirthana	1051-17-459-055	MiGC III	B
Muskan Chowdary	1051-17-459-062	MiGC III	B
Mohurle Bhavani	1051-17-459-067	MiGC III	B
Maimuna Sultana	1051-17-459-077	MiGC III	B
Pitta Sowmya Teja	1051-17-459-084	MiGC III	B

PHOTOGRAPHS



*** HAEMOPHILIA ***

17th APRIL
WORLD
HAEMOPHILIA
DAY

A BANDAGE
IS NOT
ENOUGH.

INHERITANCE

XY + XX
 Father with haemophilia + Mother carrier of haemophilia
 Possible outcome for each pregnancy:

XY (Normal) XX (Carrier) XY (Normal) XX (Carrier)
 Son without haemophilia Daughter with haemophilia Son with haemophilia Daughter without haemophilia

HAEMOPHILIA

- A genetic disorder in which blood doesn't clot normally.
- People with haemophilia:
 - Bruise or bleed.
 - Swelling of joints.
 - Excessive bleeding from injury and surgery.
 - Bleeds in brain.
 - Abnormal and prolonged periods.
- **Treatment** -
 - Treatment includes injection of clotting factors or plasma.
 - Treatment can help, but still doesn't cure it.

NOCLAL - 2) vessel constricts 3) vessel pinches 4) platelet plug 5) fibrin clot

BLEEDING DISORDER - 2) swollen blood 3) vessel pinches 4) normal platelets 5) normal clot

• You have haemophilia if you don't have enough clotting factors.
 • A factor is a kind of protein that helps blood clot.
 • Most haemophilia patients are **HAEMOPHILIA A** (80%).
 • Haemophilia A → lack clotting factor VIII.
 • Haemophilia B → lack clotting factor IX.

Dr. Kirthana Tadokala

XY XX
 Father does not have haemophilia Mother is a carrier haemophilia gene.

XY XY XX XX
 50% chance sons will have haemophilia XY 50% chance daughter's will be a carrier of the haemophilia gene XX

HAEMOPHILIA

DAMAGED BLOOD VESSEL → **BLEEDING** **COAGULATION DISORDER**

NORMAL → **BLOOD-CLOTTING PROTEIN**

Haemophilia-B

PRECAUTION

- Good Nutrition.
- Good Dental Hygiene.

An X-linked recessive genetic disorder that causes clotting problems through missing or defective factor IX
→ Those affected bleed easier and for longer

- No cure
 - Avoid injury
 - Meds that promote bleeding
- } Precautions

Spontaneous nosebleeds

Easy bruising

Haemarthrosis
[bleeding into joint spaces]

Red or cola coloured urine

Tar-like stools (melæna) from GI bleeding

MALE X-LINKED

Coffee ground vomitings from clotted blood.

