



WEBINAR

21st September, 2020

2.30- 4.30 pm

Organized by

Genomics and Public Health Foundation

in association with

Uttarakhand Council for

Science & Technology

and

The National Academy of Sciences, India

CHALLENGES IN SCREENING FOR GENETIC DISORDERS IN INDIA

Patrons

Dr RNK Bamezai

President, GAP Health Foundation

Dr. Rajendra Dobhal

Director General- UCOST

Chief Guest

Ms. Sonika, IAS

Additional Secretary, Govt of Uttarakhand and
Mission Director, National Health Mission, Uttarakhand

Guest of Honour

Professor (Dr) Ashutosh Sayana

Principal

Government Doon Medical College, Dehradun, Uttarakhand

Introductory session

(8 min)

The relevance of public health in prevention and control of diseases to reduce the burden of disease across all sections of the society has come to the fore in unmeasurable terms in the ongoing covid-19 pandemic. From nutritional and infectious diseases to environmental and complex lifestyle diseases and inherited genetic disorders, necessary proactive steps are required for all under one roof .

Welcome

Dr. Sujata Sinha

Chief Executive, GAP Health Foundation

2 min

Introductory remarks

Dr. Rajendra Dobhal

DG-UCOST

3 min

Dr. RNK Bamezai,

President, GAP Health Foundation

3 min

Screening programmes for specific genetic disorders, such as hemoglobinopathies, chromosomal aneuploidies like Down syndrome and for some metabolic disorders have been implemented in a piecemeal manner across several states in the country during the earlier part of the decade. In some of the States screening programmes for selected disorders have been going on for several years despite constraints. For the last few years, there has been a growing consensus for the need to implement universal screening for inherited metabolic disorders in newborns.

Session 1

(42 min)

Experiences from the ground

Ongoing screening
programmes in States

The session will provide an opportunity to know about the screening programmes being run in the respective States under the aegis of the State Health Departments- the disorders , target populations, follow up outcomes and an overall impact and plans for extension.

Session- 1

Guest States

Chandigarh	Dr. Gurjit Kaur Assoc. Prof., Govt. Medical College, Chandigarh	6 min
Gujarat	Dr. Yazdi Italia , Ex -Director, Sickle Cell Control Program	6 min
Kerala	Dr. Sunija Saikumar , Public Health and Clinical Lab, TVN	6 min
West Bengal:	Dr. Maitreyee Bhattacharyya , Director & Head, IHTM, Kolkata	6 min

Host State

Uttarakhand	Dr. Anil Shah Pathologist-ABD Project, Base Hospital, Haldwani	4 min
	Dr. Anoop Swaroop , Pediatrician, DEIC, Dehradun	4 min
Discussion	Moderator: Dr. Tulika Seth / Dr. J.S. Arora Professor, AIIMS, Delhi & Dir. GAPHF / Dir. Patient Safety & Rights, GAPHF	10 min

There is a huge gap in application of recent advancements in genomic science to diagnose, prevent and manage different diseases and congenital disorders with a strong inherited genetic component. Different screening strategies and use of new tools and technologies are required for different disorders. A judicious combination of point-of-care screening tests at one end to high throughput genetic technologies at the other can be leveraged to the advantage of our people with adequate genetic literacy and institutionalization of genetic counselling in public health.

Session 2

(40 min)

Technologies & Tools
of genetic screening
and
Perspectives
on role of tertiary centres

The session will provide an opportunity to know the perspectives on their roles in providing support to public health programmes for genetic screening and to discuss role of existing and developing biotechnologies in phenotypic, biological and genetic -markers in screening and diagnosis and that of genetic literacy, genetic counselling and bioinformatics in implementation of screening programmes.

Guest Institutions

**Lady Harding Medical
College, Delhi**

Dr. Sunita Sharma /
Head, Dept of Pathology

Dr. Jagdish Chandra
Former Director and Professor of Pediatrics

6 min

AIIMS, Rishikesh

Dr. Manisha Naithani /
Addl. Professor, Biochemistry

Dr. Prashant K Verma
Associate Professor, Paediatrics

6 min

**Savitribai Phule Pune
University**

Dr. Kalpana Pai /
Head, Dept of Zoology

Dr. Richa Ashma
Asistant Professor, Dept of Zoology

6 min

**Delhi School of
Public Health**

Dr. Daman Saluja
Joint Director

6 min

Host institution

GAP Health Foundation

Dr. Sujata Sinha / **Ms. Shikha Ghildyal**
Dir. Comm. Genetics Dir. Empowerment & Advocacy

6 min

Discussion
Comments & queries

Moderator: Dr. Tulika Seth / **Dr. J.S.Arora**
Professor, AIIMS, Delhi & Dir. GAPHF Dir. Patient Safety & Rights, GAPHF

10 min

Valedictory session – **Expertspeak** (28 min)
Community Genetics, Rare Diseases and Precision medicine
Global and Indian perspectives

Guest speakers

Professor Alan H. Bittles AM

PhD, ScD, FRC Path, FRSM, FAAS

**Edith Cowan University and Murdoch University,
Perth, Australia**

Dr. Roshan Colah PhD

Former Director-in-charge

**ICMR –Institute of Immuno Haematology
KEM Hospital, Mumbai**

Chairperson

Dr. RNK Bamezai

Ph.D.; F.N.A.Sc; F.I.M.S.A; F.A.M.S; F.N.A

President GAP Health Foundation and
Hon. Director, Delhi School of Public Health

**Former Dean School of Life Sciences and
School of Computational and Integrative
Biology, JNU and VC, SMVD University,
Jammu.**

Guest Lecture	Professor Alan H Bittles	7 min
Guest lecture	Dr. Roshan Colah	7 min
Remarks Chairperson	Dr. RNK Bamezai	3 min
Address by Guest of Honour	Dr. Ashutosh Sayana, Principal, DGMC	3 min
Chief Guest's Address	Ms. Sonika, MD- NHM	3 min
Concluding Remarks	Dr. Rajendra Dobhal, DG-UCOST	3 min
Vote of Thanks	Dr. D P Uniyal Joint Director, UCOST Co-Ordinator- NASI (Uttarakhand Chapter)	2 min