



Iranian network for research in viral disease

in cooperation with

Iranian Epidemiological association,

**Iranian society for virology ,
university consortium against COVID_19**

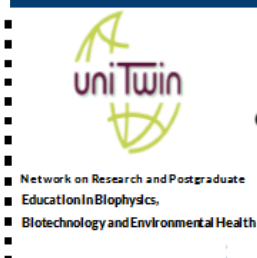
**and deputy of education of Tehran medical system organization
(Virology Thinking room) host**

**Conference on
“basic/Clinical aspect of Covid-19 since
its emergence up to now”**

**Date
December 8-10th, 2021.**



United Nations
Educational, Scientific and
Cultural Organization



International
Science Council



Iranian Epidemiological
Association



Iranian Society
for Virology



Network for Research
in Viral Diseases

**The guide for participating in the conference and how
to get upgrading education point**

For upgrading credit point register to constitutive medical education at:

<https://www.lrcme.ir>

The upgrading credit points will only be gained by the registered participants who attend the quiz at the end of each webinar by downloading the relevant application at

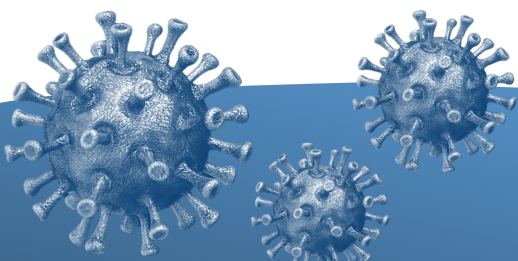
<https://cmequiz.ir/app>

Entrance link :

<http://webinar.tums.ac.ir/covid19/>

Secretariat support phone number:

+989394901920





The overall purpose of the program

Virology, Diagnosis, Clinical benchmarks, Biosafety and Biosecurity, Vaccines and vaccinations and notices about COVID-19 and achievements to deal with it.

Specific goals

- 1-Virological examination, Emergence and evolution of SARS_CoV2 molecular and phylogenetic epidemiology of the virus the emergence of variants based on Sanger and NGS results. Single nucleotide polymorphisms of genes and their effect on disease severity in COVID-19**
- 2-Investigating the ways of laboratory diagnosis of COVID-19 Investigating the prevalence of variants, providing the best diagnostic method, correct use of diagnostic tools during the pandemic and prospects**
- 3- Investigating the importance of SARS coronavirus 2 mutations and their variants, future concerns about these mutations, examining complete genome sequencing and phylogenetic analysis, the development and evolution of coronavirus in various human-related animal species, and examining the genetic variations of this Virus and its impact on pathogenicity and treatment and vaccination strategies.**
- 4- Providing the basics of the epidemic, Challenges of Corona Control, Outline the epidemic process, Increased death in Corona epidemic in Iran and introduction of international and Iranian studies model for COVID-19 epidemic.**
- 5- Check safety principles and the biosafety in Laboratory, Laboratory and hospital risk management, protocol**
- 6- Clinical, laboratory and imaging criteria in hospitalized and deceased patients with COVID-19 in adults and children, Investigating the relationship between drug use and severity of pathogenicity in patients with COVID-19. Evaluation of humoral and memorial safety of hospital workers following a national vaccination**
- 7- Production of COVID-19 vaccine, regulations and description of different vaccine production platforms. Challenges Related to the Production of COVID-19 Vaccine in Iran. General vaccination program, Mix and Match strategies in the 2nd dose, necessity of 3rd dose, vaccination in children, adolescent and patients with special medical conditions. Review of the surveillance system for adverse events following vaccination against COVID-19 in Iran.**
- 8- Investigating the role of communications, mass media and information and comparing them in the management of the COVID-19 crisis in Iran and the info-emic world and ways to deal with it. Investigate the misinformation of COVID-19 and investigate strategies for interacting with the non-vaccination belief people.**
- 9- Explore innovative ideas and products, including transparent and electrostatic masks, the remote health monitoring system, the artificial intelligence of electronic systems in detecting and tracking viral agent control and control of COVID-19 in the country and virtual visit to the exhibition of achievements**



Conductor



Network for Research in Viral Diseases

Secretaries



**Dr. Seyed Mohammad Jalil
Zorriehzahra**
Scientific committee secretary



**Dr. Seyed Mohammad
Jazayeri**
Chairman of the Conference



Dr. Babak Shahbaz
Executive Committee secretary

Sponsors



United Nations
Educational, Scientific and
Cultural Organization



- Network on Research and Postgraduate
- Education in Biophysics,
- Biotechnology and Environmental Health



International
Science Council



سازمان نظام پزشکی جمهوری اسلامی ایران



مركز تحقیقات ویروس شناسی و فناوری
دانشگاه علوم پزشکی تهران

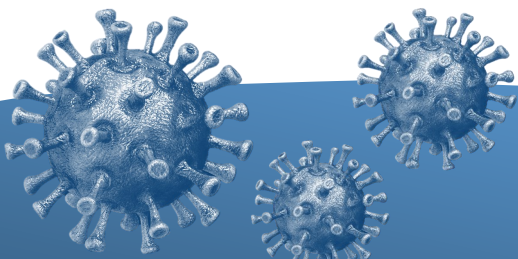


Iranian Society for Virology



Iranian Epidemiological Association

**Endorsed by UNESCO/UNITWIN Network on Biophysics , Biotechnology and
Environmental Health as well as the International Science Council**



Administrator group



Parsa Ghafari

Head of administrator group.



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Head of administrator group.

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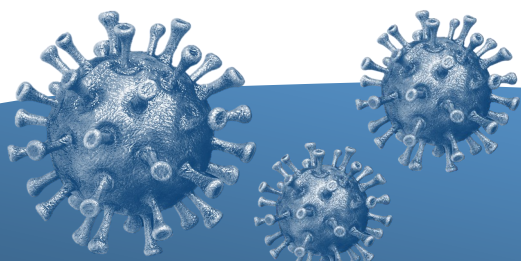
Shirin Famil Rashtian

Administrator



Amir Hossein sajjadi

Administrator



Conference Planner at a Glance

First Day (Wednesday):
2021/12/08

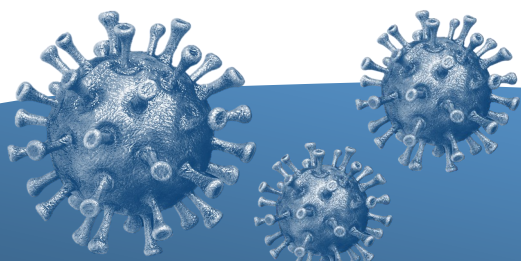
8-8:10	Quran recitation and National Anthem
8:10-8:20	Greeting by the scientific secretary of conference, Dr. Jalil Zorriehzahra
8:20-8:30	Speech by conference chair, Prof. Seyyed Mohammad Jazayeri
8:30-8:45	Speech by chairman of Tehran medical association, Prof. Seyyed Moayed Alavian
8:45-9:00	Speech by research and technology deputy, Prof. Yunes Panahi
9:00-12:00	Lecture 1- Question and Answer
12:00-13:00	Prayer and Lunch Break
13:00-16:00	Lecture 2- Question and Answer
16-16:30	Break Time
16:30-19:30	Lecture 3- Question and Answer

Second Day (Thursday):
2021/12/09

8:30-11:30	Lecture 4- Question and Answer
11:30-12:30	Prayer and Lunch Break
12:30-15:30	Lecture 5- Question and Answer
15:30-16:00	Break Time
16:00-19:00	Lecture 6- Question and Answer

Third Day (Friday):
2021/12/10

8:30-11:30	Lecture 7- Question and Answer
11:30-12:30	Prayer and Lunch Break
12:30-15:30	Lecture 8- Question and Answer
15:30-16:00	Break Time
16:00-19:00	Lecture 9- Question and Answer
19:00	Virtual Exhibition



Opening ceremony (December 8th , 2021)

**8 am: Recitation of the Holy Quran and the anthem of
Islamic Republic of Iran**



8:10 am

Welcome by the scientific secretary of the conference

Dr. Seyed Mohammad Jalil Zorriehzahra



8:20 am

Conference President's speech

Dr. Seyed Mohammad Jazayeri



8:30 am

Speech by the head of Tehran Medical System Organization

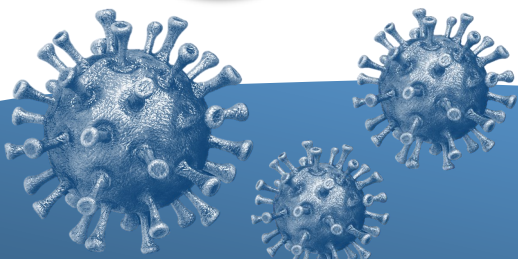
Dr. Seyed Moayed Alavi



8:45 am

**Speech by the Deputy Minister of Research and Technology
of the Ministry of Health**

Dr. Younes Panahi



First panel

Viral Diseases Research Network Research Report: Emergence of Variants, from the Beginning to the Present in Iran

Wednesday
8. Dec. 2021

Secretary of the panel



Dr. Seyed Mohammad Jazayeri

Head of Viral Diseases Research Network Professor of Virology,
School of Health, Tehran University of Medical Sciences

Conference duration:

9-11

Question and Answer time:

11-12

Speakers

9-9:30 am



Dr. Seyed Mohammad Jazayeri

Head of Viral Diseases Research Network Professor of Virology, School of Health,
Tehran University of Medical Sciences

Lecture Title: Prevalence and Evolution of SARS Corona Virus-2 Variants from the Beginning to the Present in Iran Based on NSG Sequencing (report of the variant monitoring plan in Iran by the research network in collaboration with

9:30-10 am



Dr. Anjila Ataie

Assistant Professor Iran University of Medical Sciences

Lecture Title: Prevalence and Evolution of SARS Corona Virus-2 Variants from the Beginning to the Present in Iran Based on Sanger Sequencing (report of the variant monitoring plan in Iran by the research network in collaboration with the University of Social Welfare and Rehabilitation Sciences)

10-10:30 am



Dr. Vahdat Por Tahmasebi

Assistant Professor Tabriz University of Medical Sciences

Lecture title: on Molecular and phylogenetic epidemiology of sars-cov2 virus in the country using sequencing of Nucleocapsid Spike genes) Network presenter report)

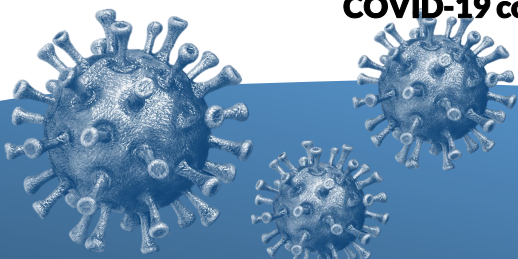
10:30-11 am



Dr. Massoud Parsania

Assistant Professor, Islamic Azad University of Medical Sciences, Tehran

Lecture title: on the association between single nucleotide polymorphisms (SNPs) of vitamin D receptor (VDR) genes and vitamin D-binding proteins (DBP) in patients with COVID-19 compared with the control group (Network presenter report)



Second panel
Diagnosis of COVID-19 and challenges in Iran and the world



Secretary of the panel



Prof. Farid Azizi Jalilian

Professor of Medical Virology, Hamadan University of Medical Sciences and laboratory technician of COVID-19 in Hamedan Province

Conference duration:

13-15

Question and Answer time:

15-16

Speakers

13-13:30



Dr. Mahmoud Reza Pourkarimi

Senior Postdoctoral Fellow, Laboratory of clinical and epidemiological virology, Rega Institute,, Katholieke Universiteit Leuven

Lecture Title: Pandemic and correct approaches in real-time diagnosis

13:30-14



Dr. Mostafa Salehi-Vaziri

Associate Professor, Pasteur Institute of Iran, Department manager of SARS-CoV-2 variant Monitoring Strategies

Lecture Title: SARS-CoV-2 variant Monitoring Strategies

14-14:30



Dr. Mohammad Abdollahad

Associate Professor, University of Tehran; Adjunct Tehran University Medical Science

Lecture Title: Role of real-time ROS detection in sputum samples to pre-screening of high risk people during COVID pandemic

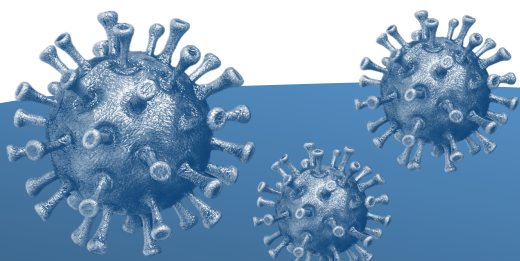
14:30-15



Dr. Behzad Khansarinejad

Associate Professor of Medical Virology, Arak University of Medical Sciences

Lecture Title: diagnosis perspective of SARS-CoV-2



Third panel

SARS-CoV-2; Variant changes and effects on the epidemic

Wednesday
8. Dec. 2021

Secretary of the panel



Prof. Alijan Tabarraei

Professor of Medical Virology Golestan University of Medical Sciences
President of the Iranian Virology Association

Conference duration:

16:30 -18:30

Question and Answer time:

18:30-19:30

Speakers

16:30-17



Dr. Reza Mohebbi

Associate Professor, Shahid Beheshti University of Medical Science

Lecture Title: The importance of mutations and variants of SARS-CoV-2, future concern

17-17:30



Dr. Seyed Hamidreza Mozhgani

Assistant Professor, Alborz University of Medical Sciences

Lecture Title: Complete genome sequencing and phylogenetic analysis of SARS-CoV-2 in Iran

17:30-18



Dr. Reza Faraji

Assistant Professor, Alborz University of Medical Sciences

Lecture Title: The spread and evolution of coronavirus in various human-related animal species

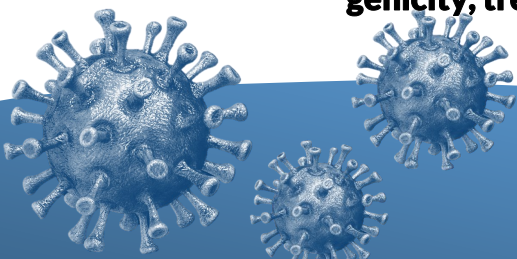
18-18:30



Dr. Mehrdad Ravanshad

Associate Professor, Tarbiat Modares University

Lecture Title: Genetic determination of SARS-CoV-2 and its effect on pathogenicity, treatment and vaccination



Fourth panel
**Epidemiologic aspects of COVID-19, in effective prevention
and control**

**Thursday
9. Dec. 2021**

Secretary of the panel



Dr Kourosh Holakouie-Naieni

**Professor of epidemiology, Tehran University of medical sciences
Secretary & Vice President, Iranian Epidemiological Association (IrEA)**

Conference duration:

8:30-10:30

Question and Answer time:

10:30-11

Speakers

8:30-9 am



Dr Reza Chaman

Professor of epidemiology, Shiraz University of medical sciences

**Lecture Title: Challenges of controlling the Corona Epidemic of COVID-19
in Iran**

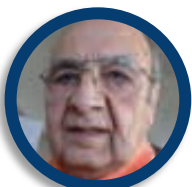
9-9:30 am



Dr Mojtaba Sehat

**Associate professor of epidemiology, Kashan University of Medical Sciences, Iran
Epidemiologic Trend of COVID-19 epidemic in Iran**

9:30-10 am



Dr Kiumarss Nasseri

Former associate professor of epidemiology, Tehran University of Medical Sciences

Lecture Title: Excess Mortality during Covid-19 Epidemic in Iran

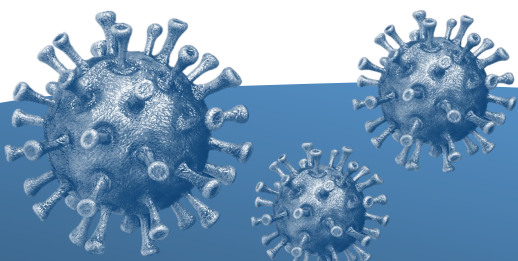
10-10:30 am



Dr Farshad Pourmalek

Professor of epidemiology, University of British Columbia, Canada

Lecture Title: Web site for international COVID-19 epidemic models for Iran



Fifth panel
Global Health Crisis, Biosafety and Biosecurity

Thursday
9. Dec. 2021

Secretary of the panel



Dr Ali Akbar Mohammadi

Founder and President of Global Health and Security Consultants (GHSC), GENEVA

Conference duration:

12:30-14:30

Question and Answer time:

14:30-15:30

Speakers

12:30-13 am



Dr Ali Akbar Mohammadi

Founder and President of Global Health and Security Consultants (GHSC), GENEVA

Lecture Title: Global Health Crisis and WHO Guidelines on Biosafety and Biosecurity

13-13:30



Dr Mohammad Karimi Nia

Deputy minister of biological defense of the country's passive organization

Lecture Title: Analysis pandemic of COVID-19 in terms of defense

13:30-14



Dr Masoud Hosseini

Professor of biotechnology of university of Shahid Beheshti

Lecture Title: Bio safeties of COVID-19 of labradorites

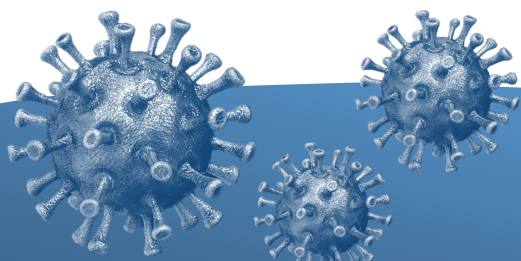
14-14:30



Dr Katrin Summer Mater

Head of biosafety in Switzerland

Lecture Title: Laboratory Risk Management in COVID-19 Pandemic



Sixth panel

**Viral Disease Research Network Research Report:
Clinical Findings in Adults, Children, and Addicts**

**Thursday
9. Dec. 2021**

Secretary of the panel



Dr. Seyed Mohammad Jazayeri

**Head of Viral Diseases Research Network Professor of Virology,
School of Health, Tehran University of Medical Sciences**

Conference duration:

16-18

Question and Answer time:

18-19

Speakers

16-16:30



Dr. Masoud Ziaei

Professor of Birjand University of Medical Sciences

**Lecture Title: Comparison of Clinical, Laboratory and Imaging Criteria in
Inpatients and Death Patients with COVID-19 in Adults in the Country
(Network Reporter)**

16:30-17



Dr. Iraj Siddiqi

**Professor, Shahid Beheshti University
of Medical Sciences, Hamadan
University of Medical Sciences**

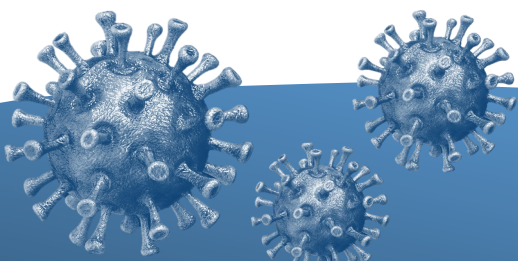
17-17:30



Dr. Alireza Fahimzad

**Professor of Shahid Beheshti
University of Medical Sciences**

**Lecture Title : A Study of Clinical, La-
boratory and Imaging Patterns in Chil-
dren with Acute Respiratory Syn-
drome with Coronary Artery
(COVID19) in the Country (Report of
Network Hosts)**





Dr. Azarakhsh Azaran
Assistant Professor Ahwaz
University of Medical Sciences



Dr. Farid Yousefi
Assistant Professor Ahwaz
University of Medical Sciences

17-17:30

Lecture Title: Investigating the relationship between drug use and severity of pathogenicity in patients with COVID-19 disease in the country (Network presenter report)

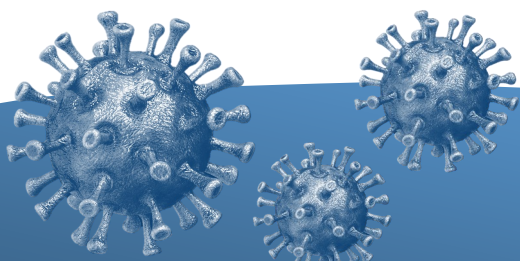


17:30-18

Dr. Majid Khosh Mirsafa

Assistant Professor Iran University of Medical Sciences

Lecture Title: Evaluation of Antibody Levels after COVID-19 Vaccination in Health Care Personnel and Evaluation of Memory Safety in Individuals with Unstable Antibody Levels (Network presenter report)



Seventh panel
COVID-19; Vaccines and Vaccinations

Friday
10. Dec. 2021

Secretary of the panel



Dr. Mohammad Kazem Shahkarami

Assistant Professor of Razi Vaccine and Serum Research Institute
Member of the country's viral disease research network

Conference duration:

8:30-10:30

Question and Answer time:

10:30-11

Speakers

8:30-9 am



Dr. Hussein Y. Naim

Professor of Virology and Immunology, Independent consultant on vaccines and life sciences.

Lecture Title: Vaccine Development and Regulation: COVID -19 Vaccines

9-9:30 am



Dr. Alireza Ranjbar

Distinguished Professor of Immunology and Molecular and Clinical Allergy, Bonn, Germany

Lecture Title: Mix and Match Strategies in the 2nd Dose and 3rd Dose, Vaccination in Children and Adolescence and in certain diseases

9:30-10



Dr. Seyed Mohsen Zahraei

Head of the Vaccine-Preventable Diseases Department of the Infectious Diseases Management Center of the Ministry of Health, Professor of infectious and tropical diseases

Lecture Title: A review of the surveillance system of COVID-19 vaccination in Iran

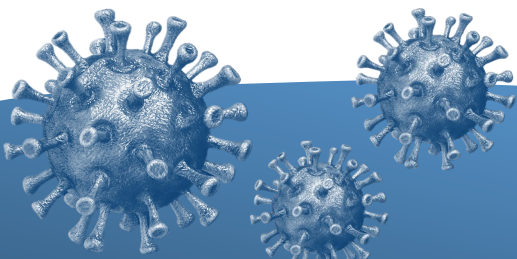
10-10:30



Dr. Mohammad Kazem Shahkarami

Assistant professor at Razi Vaccine and Serum Research Institute, Karaj, Iran.
Member of the country's viral disease research network

Lecture Title: Challenges of vaccine manufacturing in Iran



Eighth panel
**The Role of Communication and Mass Media in COVID-19
Crisis Management**

Friday
10. Dec. 2021

Secretary of the panel



Dr. Seyed Mahmood Mirafzali

Physician and vaccine expert of Razi Vaccine and Serum Research Institute

Conference duration:

12:30-14:30

Question and Answer time:

14:30-15:30

Speakers

12:30-13



Dr. Hamidreza Hosseini Dana

Assistant Professor of Media Management

Lecture Title: A comparative study of corona pandemic information strategies in Iran and selected countries

13 -13:30



Dr. Masoud Younesian

Professor of Epidemiology, Tehran University of Medical Sciences

Lecture Title: Info-emic and ways to deal with it

13:30-14



Dr. Roozbeh Bakhit

Professional medical doctor

Lecture Title: covid misinformation what we know and what we should do

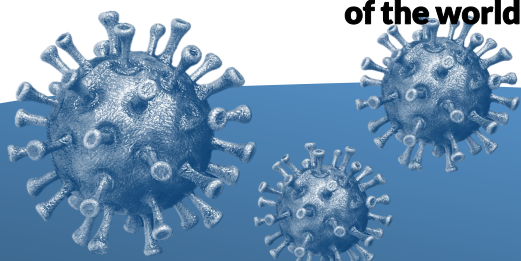
14-14:30



Dr. Seyed Mahmood Mirafzali

Professional medical doctor

Lecture Title: Investigating the historical roots of opposition to vaccination in different countries of the world, Prevalence of this thinking in different parts of the world and strategies to deal with social opposition to vaccines



Ninth panel
Achievements and products related to COVID-19
with a virtual exhibition

Friday
10. Dec. 2021

Secretary of the panel



Dr. Mahdi Noroozi

Research Assistant of Clinical Virology Research Center

Conference duration:

16-18

Question and Answer time:

18-19

Speakers

16 -16:30



Dr. Hamid Mobasher

Professor of Biophysics at the University of Tehran.

LectureTitle : Transparent electrostatic mask, biophysical tackle with coronavirus

16:30-17 am



Dr. Mehran Habibi Rezaei

Professor at the University of Tehran

Lecture Title : Opportunities and challenges of fast and accurate diagnostic processing, diagnostic biosensors

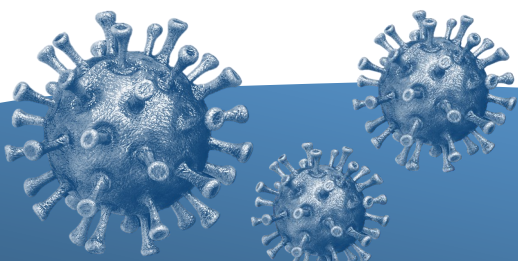
17 -17:30



Dr. Hamid Soltanian Zadeh

Professor at the University of Tehran

Lecture Title : : Analysis of lung images of COVID-19 patients by machine learning methods





17:30-18

Dr. Mohammad Reza Kolahdooz

Professor at the University of Tehran

Lecture Title: Remote health monitoring system for patients with underlying disease in COVID-19 pandemic



18-18:30

Dr. Mahdi Poorfath

Associate Professor at the University of Tehran

Lecture Title: Introduction of electronic systems in disease tracking and control and introduction of achievements related to the university consortium against COVID-19



19 -19:30

Virtual exhibition of the main achievements of the University Consortium against COVID-19 consisting of:

University of Tehran, <https://ut.ac.ir/en>

Tehran University of Medical Sciences, <https://en.tums.ac.ir/en>

Shahid Beheshti Universities, <http://en.sbu.ac.ir/SitePages/Home.aspx>

Iran University of Medical Sciences , <https://iums.ac.ir/en>

Amir Kabir University of Technology , <https://aut.ac.ir/en>

and Sharif University of Technology. <https://en.sharif.edu>

