



Covid 19- lesson - Preparedness, online surveillance, prevention, and timely coordinated joint response for emerging infectious diseases

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Abstract:

Epidemic/pandemics affect us all. This teach us about essential importance of health, access to health as essential human right and sustainable healthcare infrastructures as prerequisite of any economic progress and rethink better model to face them. It remains us also fragilized environment, links with animal health and interlinks between long term lasting climate changes with its consequences to health directly but also indirectly to all economies and societal impact. The policies needed to ensure that future vaccines for SARS-Cov-2, the virus that causes COVID-19, and treatments but also for any upcoming pandemic and list of diseases can be made widely available. We need to look into vaccine and drug candidates in the current R&D pipeline and there is more than ever a need for international co- operation to focus on key issues like incentivising R&D, building large- scale manufacturing capacity and managing intellectual property rights. The costs of EIDs (emerging infectious diseases) are vast, in both human and economic terms. As well as the devastating death toll and disruption to societies, COVID-19 could cost the global economy \$4.1 trillion, or almost 5% of global gross domestic product. Even small epidemics can cause tremendous economic disruption and heavy societal consequences. Vaccines are one of our most powerful tools in the fight to outsmart epidemics. The development of vaccines can help save lives, protect societies, and re-stabilise economies but there is a need to increase awareness and provide tangible examples from past (ex. Polio, BCG, Rotavirus vaccine) and explanation not only dedicated to healthcare personnel. Within context of topic I present, would like to illustrate one preparedness initiative example - CEPI. The Coalition for Epidemic Preparedness Innovations' (CEPI's) mission was created in 2017 in Davos has objective to stimulate and accelerate the development of vaccines against emerging infectious diseases and enable access to these vaccines for people during outbreaks. (COVAX accelerator path now within



WHO).

Biography:

Medical and cosmopolitan professional specialised in infectious diseases, internal medicine covering various therapeutic axes, certified in Immunology and Pediatric, MBA vaccinology and years of clinical practise contributing to bring innovative science and diplomacy for global health. Lived multi-country medical "field "experience in Southeast Asia (India in particular), West/Central/East Europe. Speaking French, English, Russian, Italian, Czech, Slovak with notion of Mandarin. Over 15 years of experience in pharmaceutical research and development for European and USA companies (Director of R&D for new delivery platforms focused on children and elderly) for various therapeutic areas for adults and children including neurodegenerative diseases, infectious diseases and tropical diseases, metabolic diseases and orphan indications. Active member of French immunology society (SFI) administrative board and several international academic societies (focus on innovation of R&D reflecting immunology and genetic variability, role of immunologic approach for treatment and diagnostic, tackle problem of resistance for antimicrobials, antimalarial, antivirals etc). Member of advisory Health concern (India) and think tank group in order to attract attention to role of immunology, personalised and preventive medicine and accurate diagnostic and global cooperation in this area. Years of expertise to work globally within Europe, USA but recently more focused on BRICS - Asia (India in Particular) as a Medical advisor bringing new innovative concepts alive and getting them endorsed.

Publication of speakers:

1. Ivana Haluskova Balter, Vaccines to Tackle Antimicrobial Resistance", Acta Scientific Microbiology 2.11 (2019): 78-79.

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