



EMA/847176/2022

Agenda – Workshop on myocarditis post COVID-19 vaccination

16 January 2023 13.00 – 18:30 CET

Time	Topic	Speakers
13:00 – 13:05	Welcome and adoption of agenda	Marco Cavaleri (EMA) & Sabine Straus (PRAC)
Session 1. Population-based studies and Clinical features of vaccine and infection induced myocarditis Chair: Georgy Genov and Menno van der Elst		
13:05 – 13:20	Global overview of vaccine related myocarditis	Kristine Macartney, GACVS member and Director, NCIRS
13:20 – 13:35	Impact of Booster Dose and Dosing Interval	Stéphane Le Vu, ANSM
13:35 – 13:50	Incidence, follow-up, and pathophysiology of myocarditis following mRNA vaccine in Israel: Results of an Active Surveillance	Dror Mevorach, Division of Rheumatology- Immunology-Allergology Hadassah Medical Center
13:50 – 14:05	Myocarditis after mRNA COVID-19 vaccines: Vaccine Safety Surveillance in the United States	John Su, US CDC
14:05 – 14:20	Myocarditis Presentation and Outcomes following Vaccination and Viral Infections	Leslie Cooper, Mayo Clinic (cancelled)
14:20 – 14:35	COVID-19 Vaccine BNT162b2 Myocarditis	Claudia Ana Ianos and Heather Rubino, Pfizer-BioNTech
14:35 – 14:50	Moderna COVID-19 vaccines and the risk of myocarditis: review of current data and planned studies	Walter Straus, Moderna
14:50 – 15:05	Myocarditis postmarketing safety	Christopher Mast, Novavax
15:05 – 15:30	Discussion	all

Break 15'

Session 2. Disease mechanism and molecular findings

Chair: Marco Cavaleri and Jean-Michel Dogné



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15:45 – 16:00	Integrated analysis of transcriptomic and epigenomic signatures of peripheral immune cells in the patient of BNT162b2-induced myocarditis	Bo Kyung Yoon, Yonsei University
16:00 – 16:15	Circulating Spike Protein Detected in Post-COVID-19 mRNA Vaccine Myocarditis	Lael Yonker, Massachusetts General Hospital for Children
16:15 – 16:30	Implications of sex differences in myocarditis on post-COVID vaccination myocarditis	Katelyn Bruno, University of Florida
16:30 - 16:45	Innate immune mechanisms of mRNA vaccines	Rein Verbeke, University of Ghent
16:45 – 17:00	IL-1RA Antibodies in Myocarditis after SARS-CoV-2 Vaccination	Lorenz Thurner and Christoph Kessel, Saarland University
17:00 – 17:15	Lack of evidence of significant homology of SARS-CoV-2 spike sequences to myocarditis-associated antigens	Alessandro Sette, La Jolla Institute of Immunology
17:15 - 17:25	Mechanisms of myocarditis post COVID-19 vaccination	Alida Caforio, University of Padova
17:25 – 17:32	Autopsy-based histopathological characterization of myocarditis after anti-SARS-CoV-2-vaccination	Peter Schirmacher, University Hospital Heidelberg
17:33 – 17:40	Decoding of the human genetic and immunological basis of COVID-19 mRNA vaccine-induced myocarditis	Alexandre Bolze, Helix
17:40 – 18:10	Discussion	all

Session 3. Concluding remarks		
Chair: Marco Cavaleri		
18:10 – 18:25	Conclusions and wrap-up	Marco Cavaleri (EMA) & Sabine Straus (PRAC), all