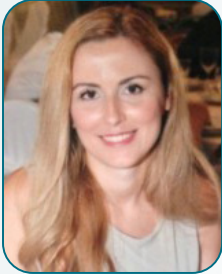


Global Congress on Integrated Healthcare

A joint Conference in Collaboration with United Research Forum, UK and Mutah University, Jordan

Under The Patronage of his Excellency Dr Yousef Goussous

May 15 - 16, 2022 | Hotel Crowne Plaza Dead Sea, Jordan



COVID- 19 second and third waves in Greece: experience of a molecular diagnosis reference laboratory

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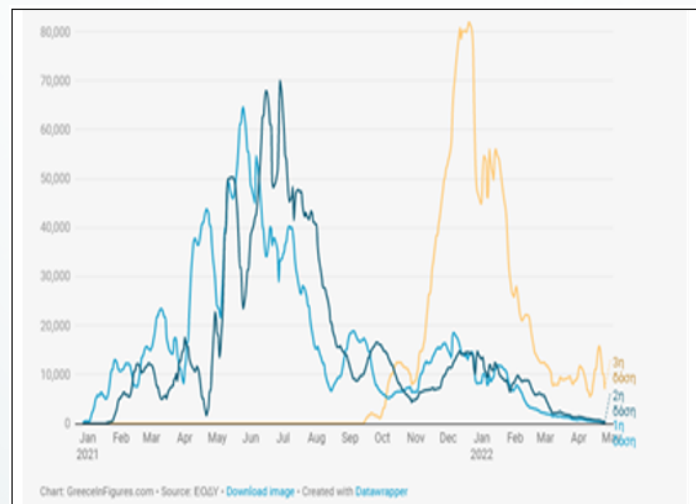
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Abstract

The aim of this study was to depict the second and third waves in Greece and correlation to vaccination process and attitudes.

We tested about 120000 specimens by RT PCR, during March 2021 to March 2022. Table I panel I, shows the rates of vaccination and panel II rates of positive nasal samples to mRNA SARS COV 2 (five genes two Rt PCR kits). We tested a total of 118 152. Out of them 14 422 have been positive for SarS CoV 2 RNA. Fluctuation in positivity is shown in the table below panel II. We correlate also the rate of vaccination in the country with immunity and factors such as summer outdoors and physical activities and distancing. To conclude, a large spike in Greece COVID-19 cases occurred over the winter months of 2020–21 till the spring. The arrival of authorized vaccines in December 2020 helped bring new infection levels back down through the summer period that most of the specimens reflected simple preventive testing, and back the third wave late in December 2021 as the contagious delta variant began to circulate and become dominant and socializing during Christmas period in Greece is inevitable. Waning immunity and relaxation of public policies and infection prevention measures also played a role in the endemicity of the infection.

Table 1. Panel I rate of vaccination



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Table 1. Panel II, Sars CoV2 RT PCR testing

Month	Total number of tests	% positive tests/ RT PCR	Men	Women
2021				
March	12231	7.93%	476	473
April	13139	6.82%	450	362
May	13455	4.48%	319	260
June	13078	1.33%	80	79
July	12486	4.49%	260	221
August	9283	4.69%	185	204
September	7156	3.17%	116	104
October	4779	5.12%	83	130
November	4992	10.30%	274	200
December	10890	33.04%	1520	1498
2022				
January	12231	30.28%	722	830
February	13139	40.93%	1261	1490
Total	118 152	14422		

Biography

Mrs Vivian Papavassileiou is a biologist graduated from EKPA, National Kapodistrian University of Athens with a long experience in biochemistry, immunology, hematology diagnostics. For the last four years she is dedicated at the molecular diagnosis department of invitrolabs. She is molecular biology executive member, responsible for the Sars cov 2 RT PCR testing.