Zurückgezogene Publikation: „Corona Impfung“ beeinträchtig DNA Reparatur-mechanismen

Description

Jiang, H., & Mei, Y. F. (2021). SARS-CoV-2 Spike Impairs DNA Damage Repair and Inhibits V(D)J Recombination In Vitro. Viruses, 13(10), 2056. doi.org/10.3390/v13102056 (Retraction published Viruses. 2022 May 10;14(5):)

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TI  - SARS-CoV-2 Spike Impairs DNA Damage Repair and Inhibits V(D)J Recombinat
      Vitro.
LID - 10.3390/v13102056 [doi]
LID - 2056
AB  - Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) has led to
      coronavirus disease 2019 (COVID-19) pandemic, severely affecting public
      and the global economy. Adaptive immunity plays a crucial role in fighti
      against SARS-CoV-2 infection and directly influences the clinical outcom
      patients. Clinical studies have indicated that patients with severe COVI
      exhibit delayed and weak adaptive immune responses; however, the mechani
      which SARS-CoV-2 impedes adaptive immunity remains unclear. Here, by usi
      vitro cell line, we report that the SARS-CoV-2 spike protein significant
      inhibits DNA damage repair, which is required for effective V(D)J recomb
      in adaptive immunity. Mechanistically, we found that the spike protein l
      in the nucleus and inhibits DNA damage repair by impeding key DNA repair
      BRCA1 and 53BP1 recruitment to the damage site. Our findings reveal a po
      molecular mechanism by which the spike protein might impede adaptive imm
      underscore the potential side effects of full-length spike-based vaccine
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PT - Journal Article
PT - Research Support, Non-U.S. Gov't
PT - Retracted Publication
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TA - Viruses
JT - Viruses
JID - 101509722
RN - 0 (Antibodies, Neutralizing)
RN - 0 (Antibodies, Viral)
RN - 0 (BRCA1 Protein)
RN - 0 (BRCA1 protein, human)
RN - 0 (COVID-19 Vaccines)
RN - 0 (Spike Glycoprotein, Coronavirus)
RN - 0 (TP53BP1 protein, human)
RN - 0 (Tumor Suppressor p53-Binding Protein 1)
RN - 0 (spike protein, SARS-CoV-2)
SB - IM
ECI - Viruses. 2021 Dec 22;14(1):. PMID: 35062216
RIN - Viruses. 2022 May 10;14(5):. PMID: 35632859
MH - Adaptive Immunity/*immunology
MH - Antibodies, Neutralizing/blood/immunology
MH - Antibodies, Viral/blood/immunology
MH - BRCA1 Protein/antagonists & inhibitors
MH - CD4 Lymphocyte Count
MH - CD8-Positive T-Lymphocytes/immunology
MH - COVID-19/*pathology
MH - COVID-19 Vaccines/immunology
MH - Cell Line
MH - DNA Damage/genetics
MH - DNA Repair/*genetics
MH - HEK293 Cells
MH - Humans
MH - Immunity, Humoral/immunology
MH - Immunosuppression Therapy
MH - SARS-CoV-2/genetics/*immunology
MH - Spike Glycoprotein, Coronavirus/*genetics/immunology
MH - T-Lymphocytes, Helper-Inducer/immunology
MH - Tumor Suppressor p53-Binding Protein 1/antagonists & inhibitors
MH - V(D)J Recombination/*genetics
PMC - PMC8538446
OTO - NOTNLM
OT - *DNA damage repair
OT - *SARS–CoV–2
OT - *V(D)J recombination
OT - *spike
OT - *vaccine
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role in study design, data collection and analysis, decision to publish,
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