

**Question for written answer E-001675/2025
to the Commission**
Rule 144
Gerald Hauser (PfE)

Subject: Liver damage as a side effect of COVID-19 vaccination

Scientific publications document cases of liver damage following vaccination against COVID-19, including immune-mediated hepatitis, acute liver cell injury and liver impairment in transplant patients. Here are a few examples:

- Liver injury following SARS-CoV-2 vaccination: A multicenter case series¹
- Liver injury after SARS-CoV-2 vaccination: Features of immune-mediated hepatitis, role of corticosteroid therapy and outcome²
- Histological and serological features of acute liver injury after SARS-CoV-2 vaccination³
- Risk of acute liver injury following the mRNA (BNT162b2) and inactivated (CoronaVac) COVID-19 vaccines⁴
- Severe de novo liver injury after Moderna vaccination – not always autoimmune hepatitis⁵

Not only can liver damage be caused by mRNA vaccination, but the vaccines also have a wide range of other side effects.

1. In hindsight, what does the Commission make of the scientific diligence shown in authorising the mRNA vaccines in view of the wide range of side effects they have?
2. Are any investigations currently being carried out by the Commission or subordinate EU authorities into the safety of mRNA vaccines?
3. Were potential hepatotoxicity, genotoxicity, cardiotoxic effects, immunotoxicity, neurotoxic effects and possible long-term effects on liver function and genetic integrity investigated when the mRNA vaccines were authorised?

Submitted: 25.4.2025

¹ <https://pubmed.ncbi.nlm.nih.gov/34339763/>

² <https://pubmed.ncbi.nlm.nih.gov/35567545/>

³ <https://pubmed.ncbi.nlm.nih.gov/36440259/>

⁴ <https://pubmed.ncbi.nlm.nih.gov/35817224/>

⁵ <https://pubmed.ncbi.nlm.nih.gov/35439566/>