



Science Fund  
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# Effect of Perfluorooctanoic Acid Treatment on Creatinine Level in Female Mice

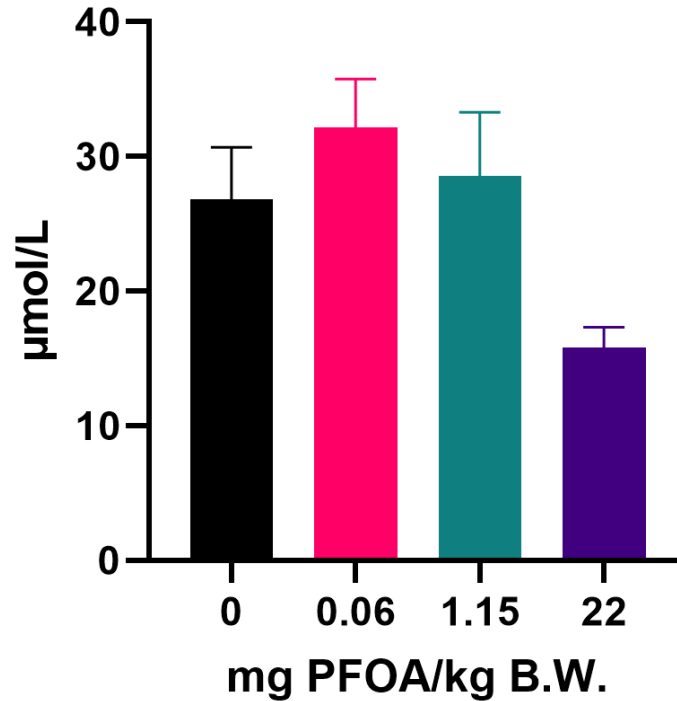
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# Materials and methods

- Female Swiss mice, 40 days old at the beginning of the experiment were exposed to PFOA added to the drinking water in doses of **0, 0.06, 1.15 and 22 mg/kg body weight (b.w.)** for 14 days.
- At necroscopy whole blood was collected in BD Vacutainer SST II Advance, and creatinine level was analyzed using the DiaLab Autolyser.
- Statistical analysis was performed by the Statistica® software using one-way analysis of variance (ANOVA) followed by Dunnett's post hoc test.
- Doses of 0.06 and 1.15 mg/kg increased, while the highest applied dose decreased the creatinine level. However, statistical analysis revealed that observed changes are not significant.

# Results of the research

## Creatinine



# Discussion

- Our results, showing unaffected creatinine levels upon PFOA exposure, indicate that under the applied experimental conditions, PFOA did not disturb kidney function.



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