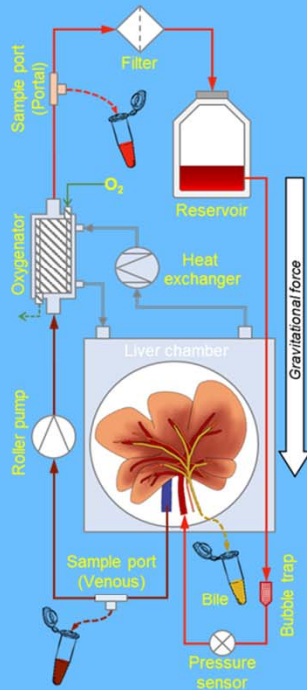


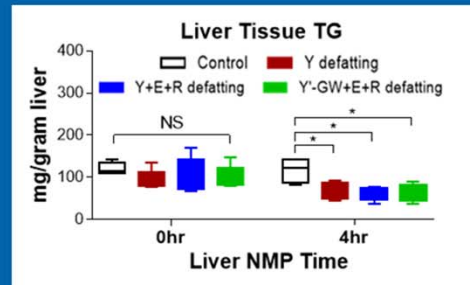
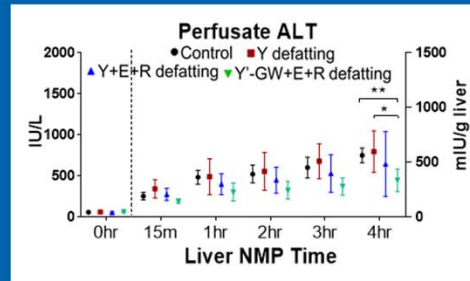
A Novel Multidrug Combination Mitigates Rat Liver Steatosis through Activating AMPK Pathway during Normothermic Machine Perfusion

Background and methods

- Liver donor shortage
- Declined steatotic livers
- Normothermic machine Perfusion (NMP)
- Zucker rat fatty liver model
- Novel defatting drug combination



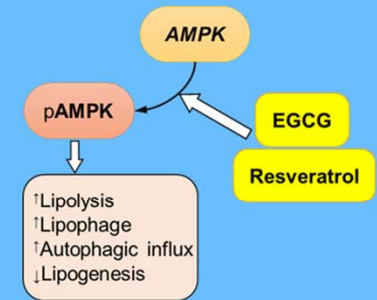
Results



Abbreviation: TG, Triglyceride; Y, Conventional defatting drug combination; E, Epigallocatechin gallate; R, Resveratrol (*p<0.05 or **p<0.01).

Summary

- Our novel defatting drug combination (Y'-GW+E+R) has a significant less hepatotoxicity.
- The Y'-GW+E+R defatting achieves a comparable defatting efficacy as the conventional drug combination does.
- The Y'-GW+E+R increases fat metabolism by activating AMPK pathway.



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