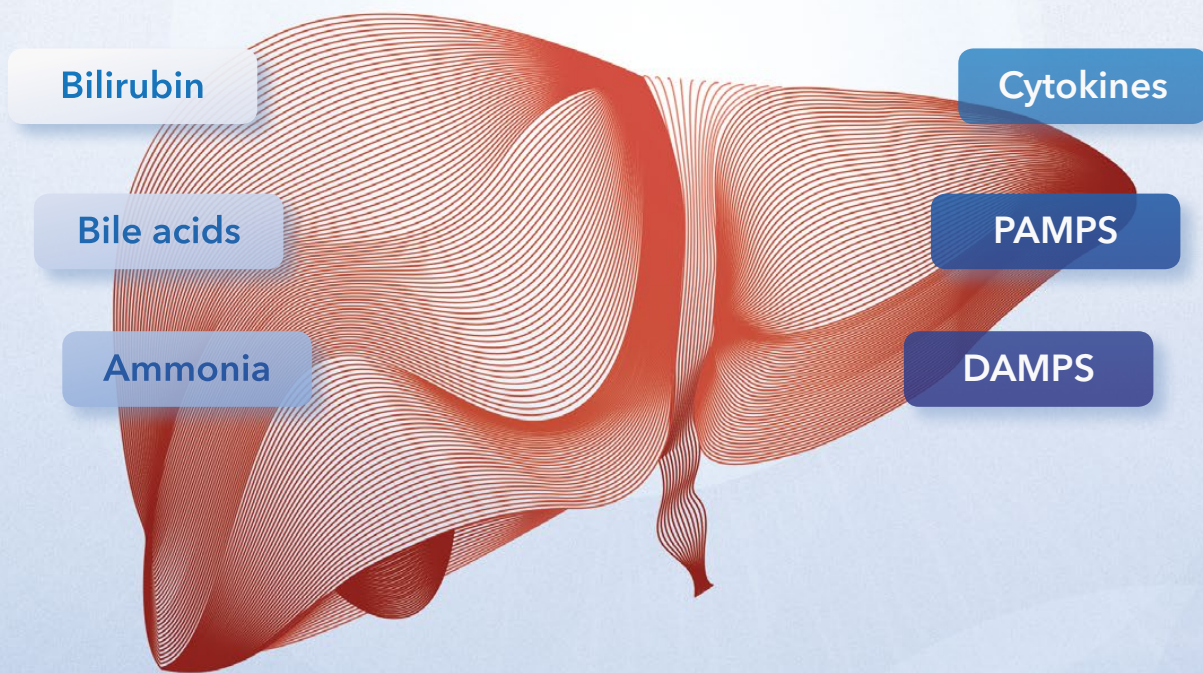


## Next Level Liver Support

Liver toxin removal PLUS immunomodulation



### With CytoSorb you can pursue these therapeutic targets:

(supported by clinical and preclinical \* data)

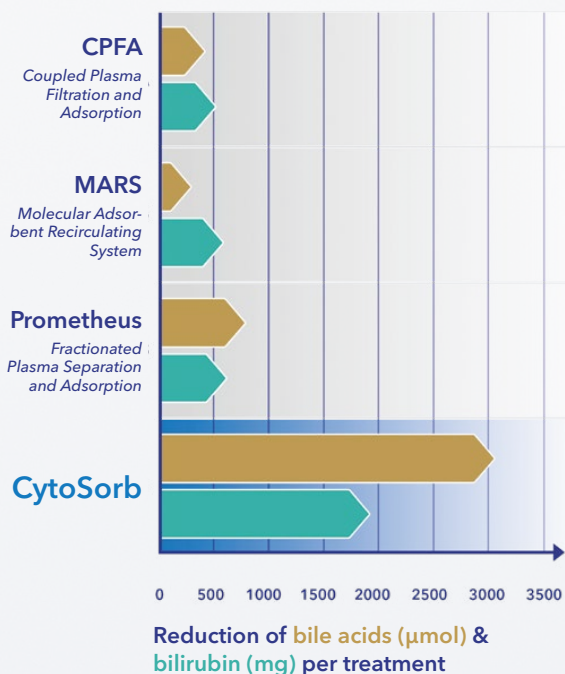
- Removal of liver toxins <sup>(1,2,3,12,13)</sup>
- Attenuation of hyperinflammation <sup>(4,5,13)</sup>
- Stabilization of hemodynamics <sup>(4,5,13)</sup>
- Improvement in hepatic encephalopathy <sup>(2,5)</sup>



## CytoSorb Therapy

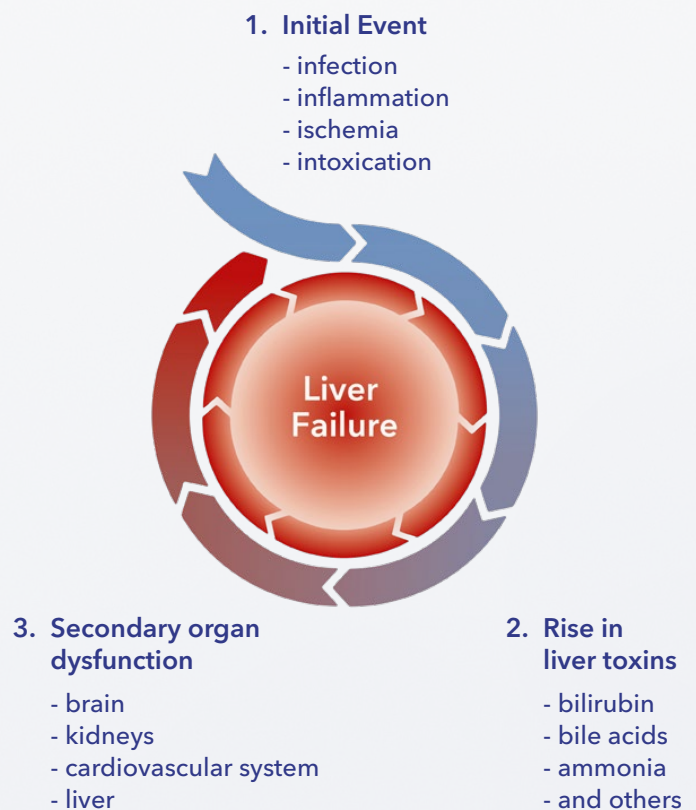
- **Very quick to set up**  
Whole blood adsorber instead of complex albumin dialysis
- **Very safe to use**  
High biocompatibility, no relevant removal of albumin, platelets and coagulation factors <sup>(1,6)</sup>
- **Very effective**  
Removal of bilirubin, bile acids, ammonia, inflammatory mediators incl. PAMPS and DAMPS <sup>(1,2,7,8,9,10)</sup>

### Removal efficacy of bile acids and bilirubin using various liver support systems



In this survey CytoSorb performed the best compared to other liver support systems regarding the removal of bilirubin and bile acids per treatment. <sup>(11)</sup>

### Stop the vicious cycle of autointoxication by removing liver toxins



#### References (\* preclinical data):

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11. Riva S et al., I<sup>o</sup> Workshop 'Purification Therapies-L'evoluzione della cura' 27-28 January 2017, Milan
12. Dhokia VC et al., Journal of Intensive Care Society 2018: epub
13. Frimmel S et al., Liver Transpl 2014; 20(12): 1523-1524.

Visit <http://literature.cytosorb.com> for an overview of all references

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