SUPPLEMENTAL INFORMATION

Illustrative movies showing the findings of the superfusion experiments with indoxylsulfate, p-cresylsulfate and the combination of p-cresylsulfate and p-cresylglucuronide and the infusion experiments with indoxylsulfate.

In movie 1, the effect of indoxylsulfate superfusion on leukocyte recruitment is demonstrated. A pronounced and progressive effect of indoxylsulfate on the number of adhering and extravasated leukocytes is observed. In addition, blood flow disappeared completely after 60 minutes.

Movie 2 illustrates the effect of p-cresylsulfate superfusion on leukocyte recruitment. In brief, whereas at 0 min there is virtually no rolling, this effect becomes more pronounced from 30 min on and is especially pronounced at 60, 90 and 120 min.

In movie 3, the effects of the combination of p-cresylsulfate and p-cresylglucuronide superfusion on leukocyte recruitment is shown. This combination induced a similar effect as p-cresylsulfate alone, be it not significant.

Movie 4 shows postcapillary venules after continuous infusion with isotonic saline. Normal amounts of leukocytes were counted and normal blood flows were observed.

In movie 5, the effect of infusion with indoxylsulfate is demonstrated in 2 rats. The number of adhering and extravasated leukocytes was significantly increased after 150 min of infusion and in addition, 5 out of 6 IS rats showed an impaired blood flow.