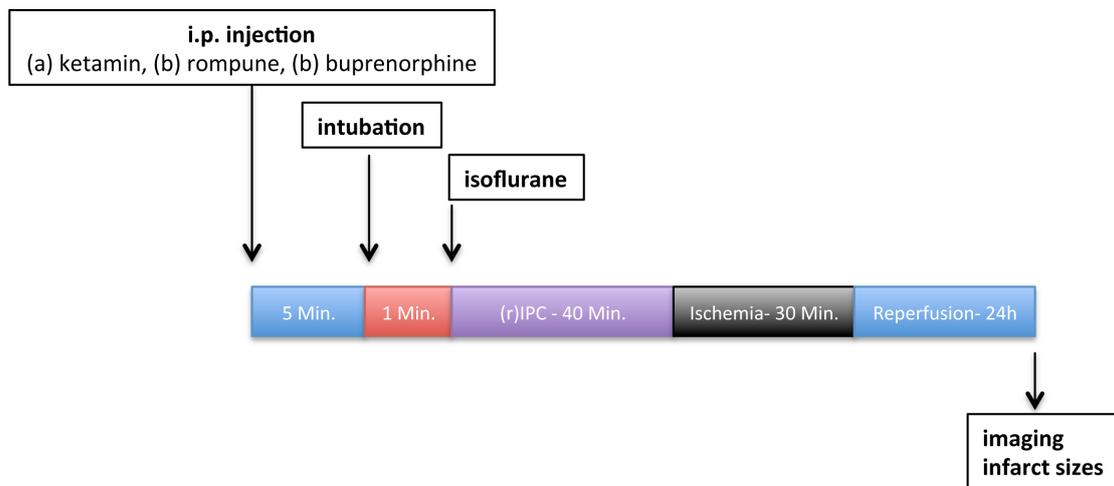
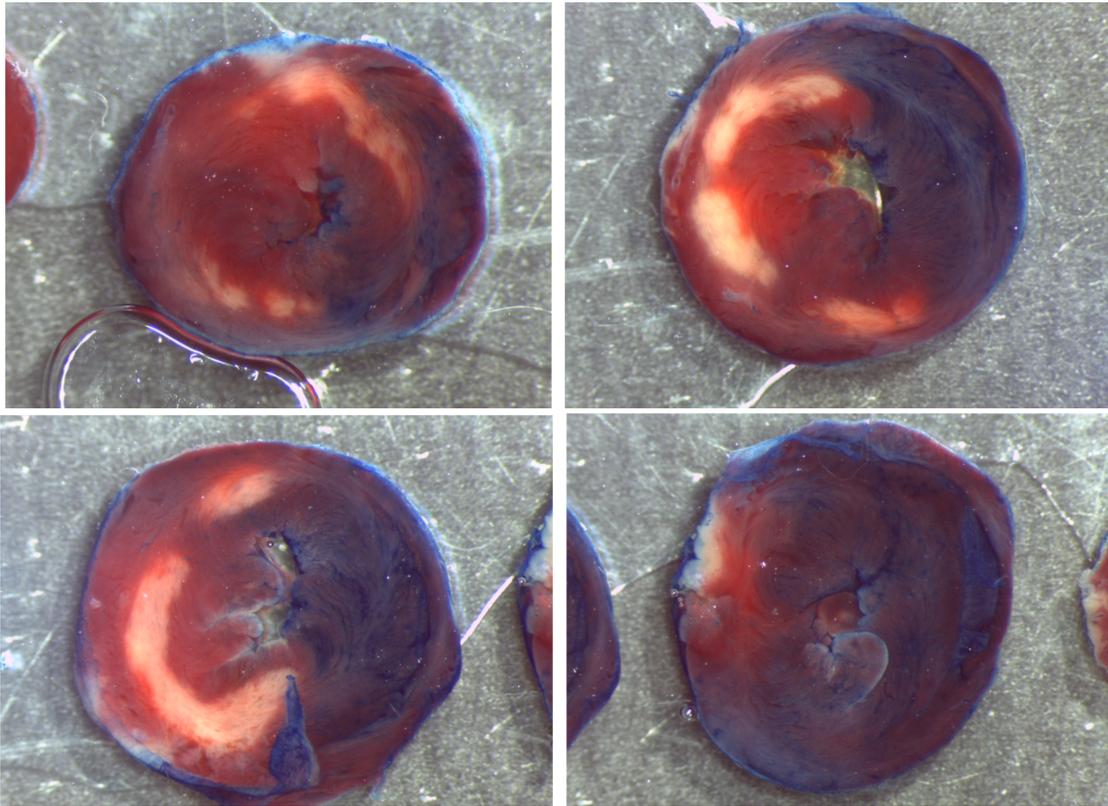


Supplementary Figure S1



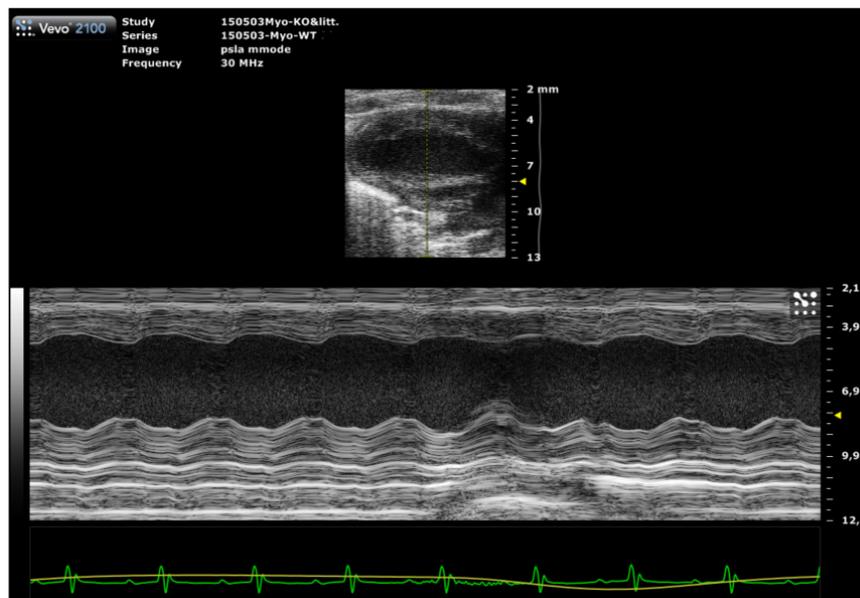
Schematic outline of anesthesia induction and maintenance. Mice receive a body weight adjusted doses of ketamine, rompune and buprenorphine and are then returned into the cage. Intubation is performed if anesthesia depth is sufficient and toes are not withdrawn upon pinching. After oral intubation, mice are transferred to the surgery plate and ventilation gas is supplemented with isoflurane for the maintenance of anesthesia throughout the procedure. Ischemia is allowed for 30 minutes followed by a reperfusion phase of 24h. Hereafter, infarct size assessment and imaging can be performed.

Supplementary Figure S2



Exemplary micrographs after I/R - Evans blue and TTC staining are used to delineate the area at risk (spared from Evans blue staining) and the infarct zone (white).

Supplementary Figure S3



Original ultrasound registration. The acquisition of this long axis view of a mouse heart is complemented by an M-mode acquisition.