

Supplementary Information

Dental pulp-derived stem cell conditioned medium reduces cardiac injury following ischemia-reperfusion

Satoshi Yamaguchi, DDS¹, Rei Shibata, MD, PhD², Noriyuki Yamamoto, DDS, PhD¹, Masaya Nishikawa, DDS, PhD¹, Hideharu Hibi DDS, PhD¹, Tohru Tanigawa, MD, PhD³, Minoru Ueda, DDS, PhD¹, Toyooki Murohara, MD, PhD² and Akihito Yamamoto, DDS, PhD¹

¹Department of Oral and Maxillofacial Surgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

²Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya, Japan

³Department of Otolaryngology, Aichi Medical University, Nagakute, Japan

Figure 2c

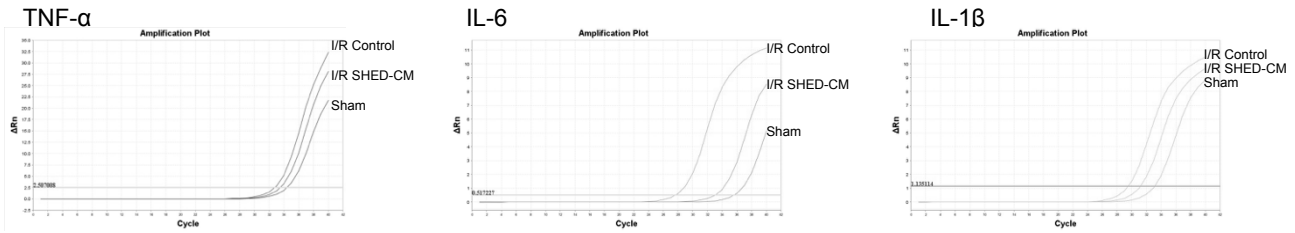


Figure 3d

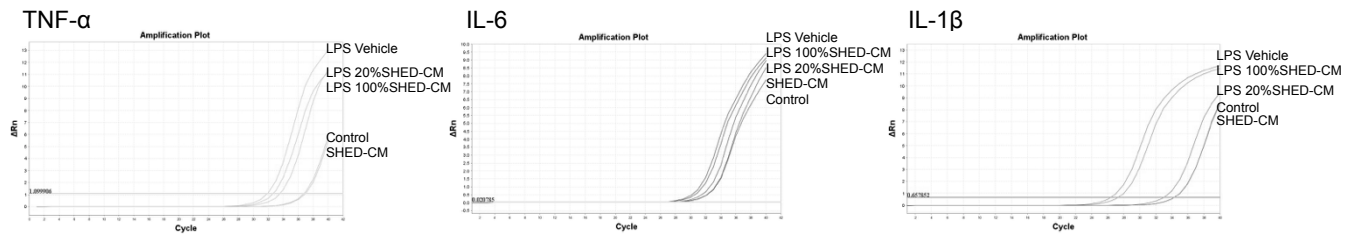


Figure 4c

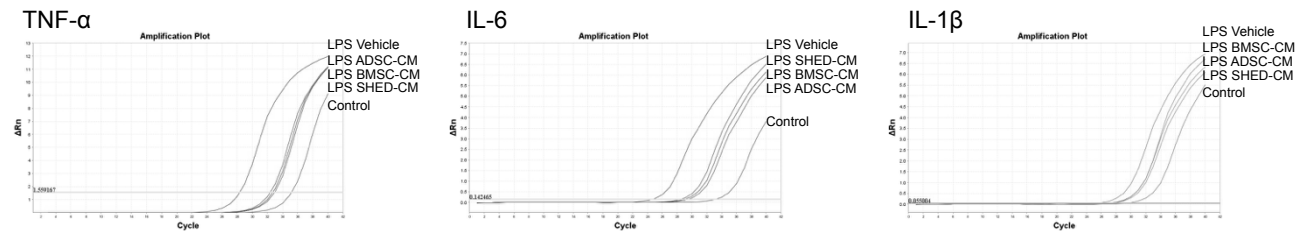
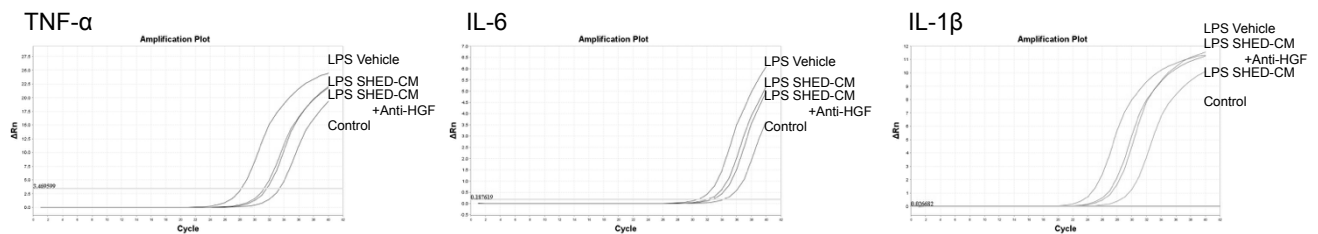
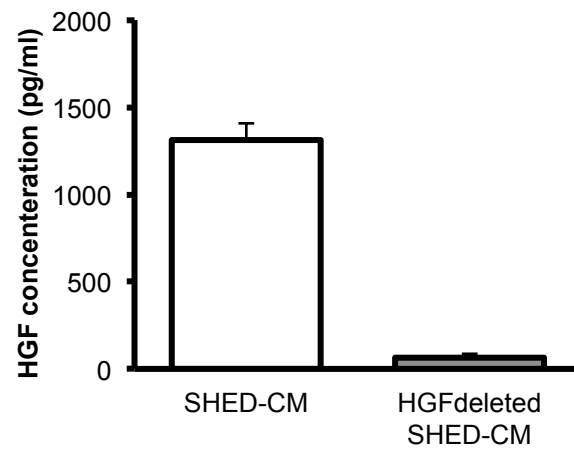


Figure 5e



Supplemental Figure 1: Representative amplification curves in Figure 2C, Figure 3D, Figure 4C and Figure 5E.



Supplemental Figure 2. Quantitative analysis of HGF concentrations in SHED-CM or HGF-depleted SHED-CM. HGF levels in conditioned media were quantified with the Quantikine ELISA Human HGF Immunoassay kit.

Used primers for quantitative PCR

Mouse Primers		Sequence
TNF- α	forward	5'-CCCTTTACTCTGACCCCTTTATTGT-3'
	reverse	5'-TGTCCCAGCATCTTGTGTTTCT-3'
IL-6	forward	5'-CCAAGAACGATAGTCAATTCCAGA-3'
	reverse	5'-CATCAGTCCCAAGAAGGCAAC-3'
IL-1 β	forward	5'-CAGGATGAGGACCCAAGCAC-3'
	reverse	5'-TCAGACAGCACGAGGCATTT-3'
GAPDH	forward	5'-AACTTTGGCATTGTGGAAGGT-3'
	reverse	5'-GGATGCAGGGATGATGTTCT-3'

Rat Primers		Sequence
TNF- α	forward	5'-CTCGAGTGACAAGCCCGTAG-3'
	reverse	5'-CCTTGAAGAGAACCTGGGAGTAG-3'
IL-6	forward	5'-TTGCCTTCTTGGGACTGATG-3'
	reverse	5'-ACTGGACTGTTGTGGGTGGT-3'
IL-1 β	forward	5'-CAGGATGAGGACCCAAGCAC-3'
	reverse	5'-TCAGACAGCACGAGGCATTT-3'
GAPDH	forward	5'-AACTTTGGCATCGTGGAAGG-3'
	reverse	5'-CGGATACATTGGGGGTAGGA-3'