**FIGURES**

GLECDGKVNI CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS
TVINHYRMRG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGCS

Figure 1.

KKNKNCRRHS LYVDFSDVGW NDWIVAPPGY QAFYCHGDCP FPLADHLNST NHAIVQTLVN
SVNSSIPKAC CVPTELSAIS MLYLDEYDKV VLKNYQEMVV EGCGCR

Figure 2.

QLSYGYDEKS TGGISVPGPM GPSGPRGLPG PPGAPGPQGF QGPPGEPGEP GASGPMGPRG
PPGPPGKNGD DGEAGKPGRP GERGPPGPQG ARGLPGTAGL PGMKGHRGFS GLDGAKGDAG
PAGPKGEPGS PGENGAPGQM GPRGLPGERG RPGAPGPAGA RGNDGATGAA GPPGPTGPAG
PPGFPGAVGA KGEAGPQGPR GSEGPQGVRG EPGPPGPAGA AGPAGNPGAD GQPGAKGANG
APGIAGAPGF PGARGPSGPQ GPGGPPGPKG NSGEPGAPGS KGDTGAKGEP GPVGVQGPPG
PAGEEGKRGA RGEPGPTGLP GPPGERGGPG SRGFPGADGV AGPKGPAGER GSPGPAGPKG
SPGEAGRPGE AGLPGAKGLT GSPGSPGPDG KTGPPGPAGQ DGRPGPPGPP GARGQAGVMG
FPGPKGAAGE PGKAGERGVP GPPGAVGPAG KDGEAGAQGP PGPAGPAGER GEQGPAGSPG
FQGLPGPAGP PGEAGKPGEQ GVPGDLGAPG PSGARGERGF PGERGVQGPP GPAGPRGANG
APGNDGAKGD AGAPGAPGSQ GAPGLQGMPG ERGAAGLPGP KGDRGDAGPK GADGSPGKDG
VRGLTGPIGP PGPAGAPGDK GESGPSGPAG PTGARGAPGD RGEPGPPGPA GFAGPPGADG
QPGAKGEPGD AGAKGDAGPP GPAGPAGPPG PIGNVGAPGA KGARGSAGPP GATGFPGAAG
RVGPPGPSGN AGPPGPPGPA GKEGGKGPRG ETGPAGRPGE VGPPGPPGPA GEKGSPGADG
PAGAPGTPGP QGIAGQRGVV GLPGQRGERG FPGLPGPSGE PGKQGPSGAS GERGPPGPMG
PPGLAGPPGE SGREGAPGAE GSPGRDGSPG AKGDRGETGP AGPPGAPGAP GAPGPVGPAG
KSGDRGETGP AGPAGPVGPV GARGPAGPQG PRGDKGETGE QGDRGIKGHR GFSGLQGPPG
PPGSPGEQGP SGASGPAGPR GPPGSAGAPG KDGLNGLPGP IGPPGPRGRT GDAGPVGPPG
PPGPPGPPGP PSAGFDFSFL PQPPQEKAHD GGRYYRA

Figure 3.

GERGFPGIPG TPGPPGLPGL QGPVGPPGFT GPPGPPGPPG PPGEKGQMGL SFQGPKGDKG
DQGVSGPPGV PGQAQVQEKG DFATKGEKGQ KGEPGFQGMP GVGEKGEPGK PGPRGKPGKD
GDKGEKGSPG FPGEPGYPGL IGRQGPQGEK GEAGPPGPPG IVIGTGPLGE KGERGYPGTP
GPRGEPGPKG FPGLPGQPGP PGLPVPGQAG APGFPGERGE KGDRGFPGTS LPGPSGRDGL
PGPPGSPGPP GQPGYTNGIV ECQPGPPGDQ GPPGIPGQPG FIGEIGEKGQ KGESCLICDI
DGYRGPPGPQ GPPGEIGFPG QPGAKGDRGL PGRDGVAGVP GPQGTPGLIG QPGAKGEPGE
FYFDLRLKGD KGDPGFPGQP GMPGRAGSPG RDGHPGLPGP KGSPGSVGLK GERGPPGGVG
FPGSRGDTGP PGPPGYGPAG PIGDKGQAGF PGGPGSPGLP GPKGEPGKIV PLPGPPGAEG
LPGSPGFPGP QGDRGFPGTP GRPGLPGEKG AVGQPGIGFP GPPGPKGVDG LPGDMGPPGT
PGRPGFNGLP GNPGVQGQKG EPGVGLPGLK GLPGLPGIPG TPGEKGSIGV PGVPGEHGAI
GPPGLQGIRG EPGPPGLPGS VGSPGVPGIG PPGARGPPGG QGPPGLSGPP GIKGEKGFPG
FPGLDMPGPK GDKGAQGLPG ITGQSGLPGL PGQQGAPGIP GFPGSKGEMG VMGTPGQPGS
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QGEKGQIGPI GEKGSRGDPG TPGVPGKDGQ AGQPGQPGPK GDPGISGTPG APGLPGPKGS
VGGMGLPGTP GEKGVPGIPG PQGSPGLPGD KGAKGEKGQA GPPGIGIPGL RGEKGDQGIA
GFPGSPGEKG EKGSIGIPGM PGSPGLKGSP GSVGYPGSPG LPGEKGDKGL PGLDGIPGVK
GEAGLPGTPG PTGPAGQKGE PGSDGIPGSA GEKGEPGLPG RGFPGFPGAK GDKGSKGEVG
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PGFQGPKGLP GLQGIKGDQG DQGVPGAKGL PGPPGPPGPY DIIKGEPGLP GPEGPPGLKG
LQGLPGPKGQ QGVTGLVGIP GPPGIPGFDG APGQKGEMGP AGPTGPRGFP GPPGPDGLPG
SMGPPGTPSV DHGFLVTRHS QTIDDPQCPS GTKILYHGYS LLYVQGNERA HGQDLGTAGS
CLRKFSTMPF LFCNINNVCN FASRNDYSYW LSTPEPMPMS MAPITGENIR PFISRCAVCE
APAMVMAVHS QTIQIPPCPS GWSSLWIGYS FVMHTSAGAE GSGQALASPG SCLEEFRSAP
FIECHGRGTC NYYANAYSFW LATIERSEMF KKPTPSTLKA GELRTHVSRC QVCMRRT

Figure 4.

MVGVGGGDVE DVTPRPGGCQ ISGRGARGCN GIPGAAAWEA ALPRRRPRRH PSVNPRSRAA
GSPRTRGRRT EERPSGSRLG DRGRGRALPG GRLGGRGRGR APERVGGRGR GRGTAAPRAA
PAARGSRPGP AGTMAAGSIT TLPALPEDGG SGAFPPGHFK DPKRLYCKNG GFFLRIHPDG
RVDGVREKSD PHIKLQLQAE ERGVVSIKGV CANRYLAMKE DGRLLASKCV TDECFFFERL
ESNNYNTYRS RKYTSWYVAL KRTGQYKLGS KTGPGQKAIL FLPMSAKS

Figure 5.

QAQQMVQPQS PVAVSQSKPG CYDNGKHYQI NQQWERTYLG NALVCTCYGG SRGFNCESKP
EAEETCFDKY TGNTYRVGDT YERPKDSMIW DCTCIGAGRG RISCTIANRC HEGGQSYKIG
DTWRRPHETG GYMLECVCLG NGKGEWTCKP IAEKCFDHAA GTSYVVGETW EKPYQGWMMV
DCTCLGEGSG RITCTSRNRC NDQDTRTSYR IGDTWSKKDN RGNLLQCICT GNGRGEWKCE
RHTSVQTTSS GSGPFTDVRA AVYQPQPHPQ PPPYGHCVTD SGVVYSVGMQ WLKTQGNKQM
LCTCLGNGVS CQETAVTQTY GGNSNGEPCV LPFTYNGRTF YSCTTEGRQD GHLWCSTTSN
YEQDQKYSFC TDHTVLVQTR GGNSNGALCH FPFLYNNHNY TDCTSEGRRD NMKWCGTTQN
YDADQKFGFC PMAAHEEICT TNEGVMYRIG DQWDKQHDMG HMMRCTCVGN GRGEWTCIAY
SQLRDQCIVD DITYNVNDTF HKRHEEGHML NCTCFGQGRG RWKCDPVDQC QDSETGTFYQ
IGDSWEKYVH GVRYQCYCYG RGIGEWHCQP LQTYPSSSGP VEVFITETPS QPNSHPIQWN
APQPSHISKY ILRWRPKNSV GRWKEATIPG HLNSYTIKGL KPGVVYEGQL ISIQQYGHQE
VTRFDFTTTS TSTPVTSNTV TGETTPFSPL VATSESVTEI TASSFVVSWV SASDTVSGFR
VEYELSEEGD EPQYLDLPST ATSVNIPDLL PGRKYIVNVY QISEDGEQSL ILSTSQTTAP
DAPPDPTVDQ VDDTSIVVRW SRPQAPITGY RIVYSPSVEG SSTELNLPET ANSVTLSDLQ
PGVQYNITIY AVEENQESTP VVIQQETTGT PRSDTVPSPR DLQFVEVTDV KVTIMWTPPE
SAVTGYRVDV IPVNLPGEHG QRLPISRNTF AEVTGLSPGV TYYFKVFAVS HGRESKPLTA
QQTTKLDAPT NLQFVNETDS TVLVRWTPPR AQITGYRLTV GLTRRGQPRQ YNVGPSVSKY
PLRNLQPASE YTVSLVAIKG NQESPKATGV FTTLQPGSSI PPYNTEVTET TIVITWTPAP
RIGFKLGVRP SQGGEAPREV TSDSGSIVVS GLTPGVEYVY TIQVLRDGQE RDAPIVNKVV
TPLSPPTNLH LEANPDTGVL TVSWERSTTP DITGYRITTT PTNGQQGNSL EEVVHADQSS
CTFDNLSPGL EYNVSVYTVK DDKESVPISD TIIPEVPQLT DLSFVDITDS SIGLRWTPLN
SSTIIGYRIT VVAAGEGIPI FEDFVDSSVG YYTVTGLEPG IDYDISVITL INGGESAPTT
LTQQTAVPPP TDLRFTNIGP DTMRVTWAPP PSIDLTNFLV RYSPVKNEED VAELSISPSD
NAVVLTNLLP GTEYVVSVSS VYEQHESTPL RGRQKTGLDS PTGIDFSDIT ANSFTVHWIA
PRATITGYRI RHHPEHFSGR PREDRVPHSR NSITLTNLTP GTEYVVSIVA LNGREESPLL
IGQQSTVSDV PRDLEVVAAT PTSLLISWDA PAVTVRYYRI TYGETGGNSP VQEFTVPGSK
STATISGLKP GVDYTITVYA VTGRGDSPAS SKPISINYRT EIDKPSQMQV TDVQDNSISV
KWLPSSSPVT GYRVTTTPKN GPGPTKTKTA GPDQTEMTIE GLQPTVEYVV SVYAQNPSGE
SQPLVQTAVT NIDRPKGLAF TDVDVDSIKI AWESPQGQVS RYRVTYSSPE DGIHELFPAP
DGEEDTAELQ GLRPGSEYTV SVVALHDDME SQPLIGTQST AIPAPTDLKF TQVTPTSLSA
QWTPPNVQLT GYRVRVTPKE KTGPMKEINL APDSSSVVVS GLMVATKYEV SVYALKDTLT
SRPAQGVVTT LENVSPPRRA RVTDATETTI TISWRTKTET ITGFQVDAVP ANGQTPIQRT
IKPDVRSYTI TGLQPGTDYK IYLYTLNDNA RSSPVVIDAS TAIDAPSNLR FLATTPNSLL
VSWQPPRARI TGYIIKYEKP GSPPREVVPR PRPGVTEATI TGLEPGTEYT IYVIALKNNQ
KSEPLIGRKK TDELPQLVTL PHPNLHGPEI LDVPSTVQKT PFVTHPGYDT GNGIQLPGTS
GQQPSVGQQM IFEEHGFRRT TPPTTATPIR HRPRPYPPNV GQEALSQTTI SWAPFQDTSE
YIISCHPVGT DEEPLQFRVP GTSTSATLTG LTRGATYNII VEALKDQQRH KVREEVVTVG
NSVNEGLNQP TDDSCFDPYT VSHYAVGDEW ERMSESGFKL LCQCLGFGSG HFRCDSSRWC
HDNGVNYKIG EKWDRQGENG QMMSCTCLGN GKGEFKCDPH EATCYDDGKT YHVGEQWQKE
YLGAICSCTC FGGQRGWRCD NCRRPGGEPS PEGTTGQSYN QYSQRYHQRT NTNVNCPIEC
FMPLDVQADR EDSRE

Figure 6.

SLGSLTIAEP AMIAECKTRT EVFEISRRLI DRTNANFLVW PPCVEVQRCS GCCNNRNVQC
RPTQVQLRPV QVRKIEIVRK KPIFKKATVT LEDHLACKCE TVAAARPVT

Figure 7.

GVLKKVIRHK RQSGVNATLP EENQPVVFNH VYNIKLPVGS QCSVDLESAS GEKDLAPPSE
PSESFQEHTV DGENQIVFTH RINIPRRACG CAAAPDVKEL LSRLEELENL VSSLREQCTA
GAGCCLQPAT GRLDTRPFCS GRGNFSTEGC GCVCEPGWKG PNCSEPECPG NCHLRGRCID
GQCICDDGFT GEDCSQLACP SDCNDQGKCV NGVCICFEGY AGADCSREIC PVPCSEEHGT
CVDGLCVCHD GFAGDDCNKP LCLNNCYNRG RCVENECVCD EGFTGEDCSE LICPNDCFDR
GRCINGTCYC EEGFTGEDCG KPTCPHACHT QGRCEEGQCV CDEGFAGVDC SEKRCPADCH
NRGRCVDGRC ECDDGFTGAD CGELKCPNGC SGHGRCVNGQ CVCDEGYTGE DCSQLRCPND
CHSRGRCVEG KCVCEQGFKG YDCSDMSCPN DCHQHGRCVN GMCVCDDGYT GEDCRDRQCP
RDCSNRGLCV DGQCVCEDGF TGPDCAELSC PNDCHGQGRC VNGQCVCHEG FMGKDCKEQR
CPSDCHGQGR CVDGQCICHE GFTGLDCGQH SCPSDCNNLG QCVSGRCICN EGYSGEDCSE
VSPPKDLVVT EVTEETVNLA WDNEMRVTEY LVVYTPTHEG GLEMQFRVPG DQTSTIIQEL
EPGVEYFIRV FAILENKKSI PVSARVATYL PAPEGLKFKS IKETSVEVEW DPLDIAFETW
EIIFRNMNKE DEGEITKSLR RPETSYRQTG LAPGQEYEIS LHIVKNNTRG PGLKRVTTTR
LDAPSQIEVK DVTDTTALIT WFKPLAEIDG IELTYGIKDV PGDRTTIDLT EDENQYSIGN
LKPDTEYEVS LISRRGDMSS NPAKETFTTG LDAPRNLRRV SQTDNSITLE WRNGKAAIDS
YRIKYAPISG GDHAEVDVPK SQQATTKTTL TGLRPGTEYG IGVSAVKEDK ESNPATINAA
TELDTPKDLQ VSETAETSLT LLWKTPLAKF DRYRLNYSLP TGQWVGVQLP RNTTSYVLRG
LEPGQEYNVL LTAEKGRHKS KPARVKASTE QAPELENLTV TEVGWDGLRL NWTAADQAYE
HFIIQVQEAN KVEAARNLTV PGSLRAVDIP GLKAATPYTV SIYGVIQGYR TPVLSAEAST
GETPNLGEVV VAEVGWDALK LNWTAPEGAY EYFFIQVQEA DTVEAAQNLT VPGGLRSTDL
PGLKAATHYT ITIRGVTQDF STTPLSVEVL TEEVPDMGNL TVTEVSWDAL RLNWTTPDGT
YDQFTIQVQE ADQVEEAHNL TVPGSLRSME IPGLRAGTPY TVTLHGEVRG HSTRPLAVEV
VTEDLPQLGD LAVSEVGWDG LRLNWTAADN AYEHFVIQVQ EVNKVEAAQN LTLPGSLRAV
DIPGLEAATP YRVSIYGVIR GYRTPVLSAE ASTAKEPEIG NLNVSDITPE SFNLSWMATD
GIFETFTIEI IDSNRLLETV EYNISGAERT AHISGLPPST DFIVYLSGLA PSIRTKTISA
TATTEALPLL ENLTISDINP YGFTVSWMAS ENAFDSFLVT VVDSGKLLDP QEFTLSGTQR
KLELRGLITG IGYEVMVSGF TQGHQTKPLR AEIVTEAEPE VDNLLVSDAT PDGFRLSWTA
DEGVFDNFVL KIRDTKKQSE PLEITLLAPE RTRDITGLRE ATEYEIELYG ISKGRRSQTV
SAIATTAMGS PKEVIFSDIT ENSATVSWRA PTAQVESFRI TYVPITGGTP SMVTVDGTKT
QTRLVKLIPG VEYLVSIIAM KGFEESEPVS GSFTTALDGP SGLVTANITD SEALARWQPA
IATVDSYVIS YTGEKVPEIT RTVSGNTVEY ALTDLEPATE YTLRIFAEKG PQKSSTITAK
FTTDLDSPRD LTATEVQSET ALLTWRPPRA SVTGYLLVYE SVDGTVKEVI VGPDTTSYSL
ADLSPSTHYT AKIQALNGPL RSNMIQTIFT TIGLLYPFPK DCSQAMLNGD TTSGLYTIYL
NGDKAEALEV FCDMTSDGGG WIVFLRRKNG RENFYQNWKA YAAGFGDRRE EFWLGLDNLN
KITAQGQYEL RVDLRDHGET AFAVYDKFSV GDAKTRYKLK VEGYSGTAGD SMAYHNGRSF
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Figure 8.

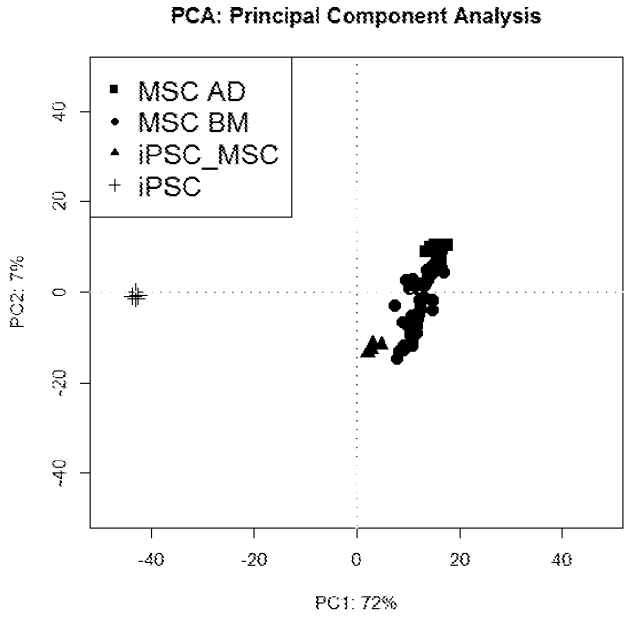



Figure 9.

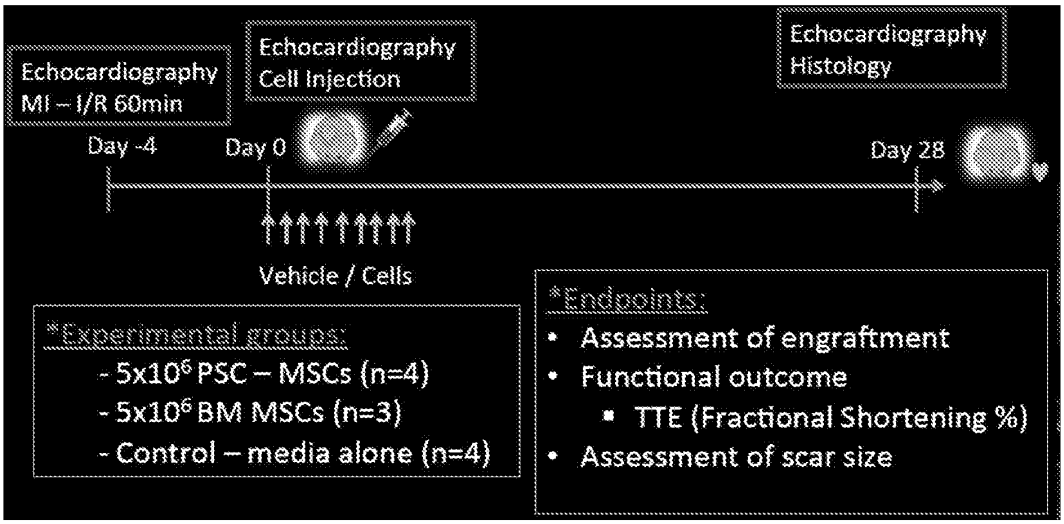



Figure 10.

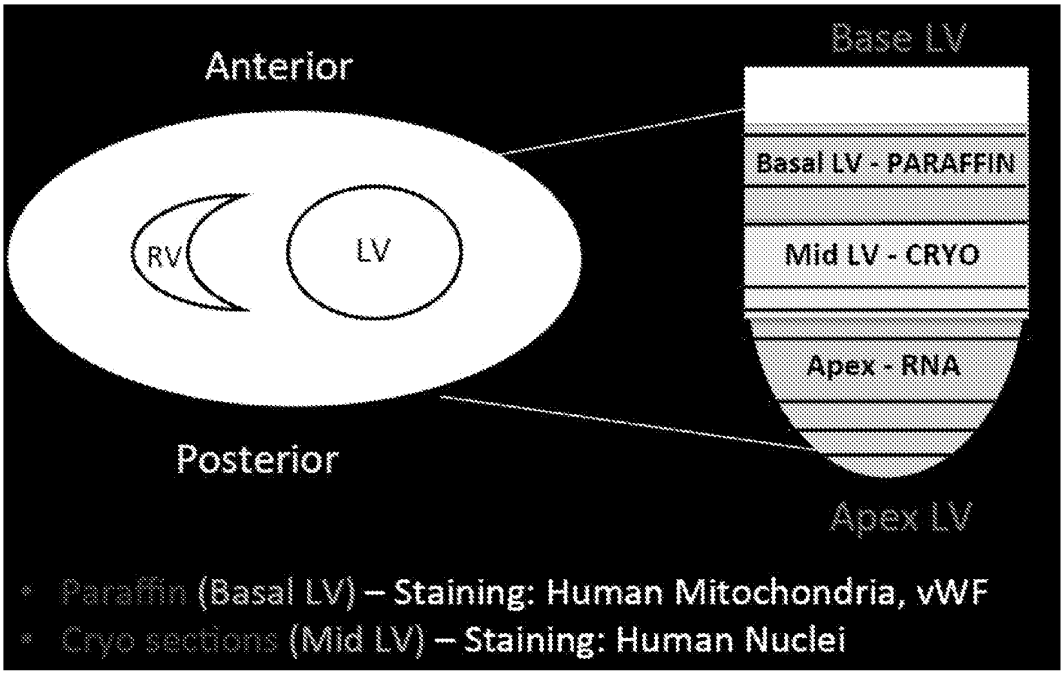



Figure 11.

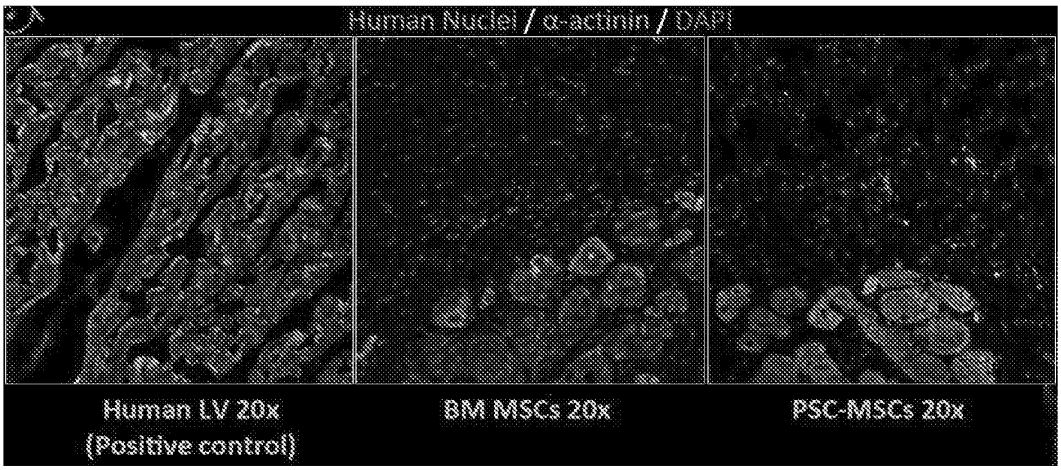



Figure 12.

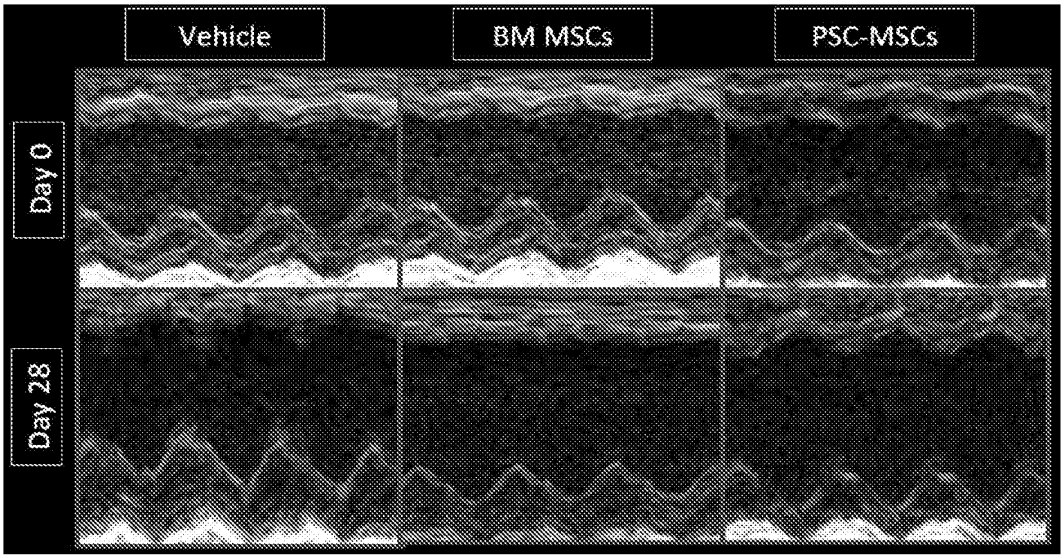
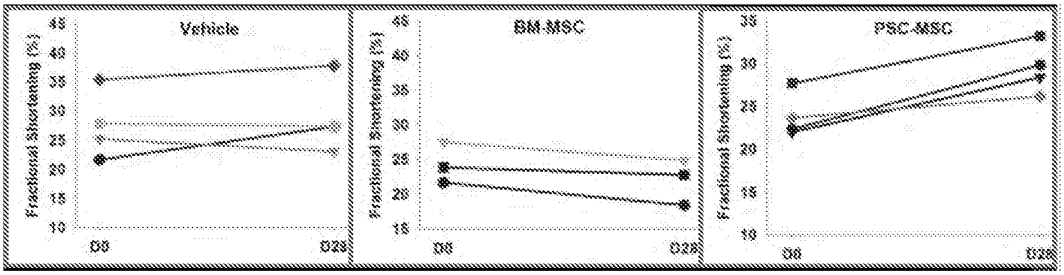



Figure 13.




| Randomisation | Day -4 FS (%) (mean ±SE) | Day 0 FS (%) (mean ±SE) | Day 28 FS (%) (mean ±SE) | δEF (D0 to D28) (%) |
|---|---|---|---|---|
| Vehicle (n=4) | 49.85±1.13 | 27.56±2.92 | 28.95±3.14 | 1.39±1.72 |
| BM MSC (n=3) | 49.57±0.05 | 24.35±1.70 | 22.03±1.90 | -2.33±0.65 |
| PSC-MSC (n=4) | 50.67±0.61 | 23.95±1.31 | 29.43±1.47 | 5.48±1.06* |

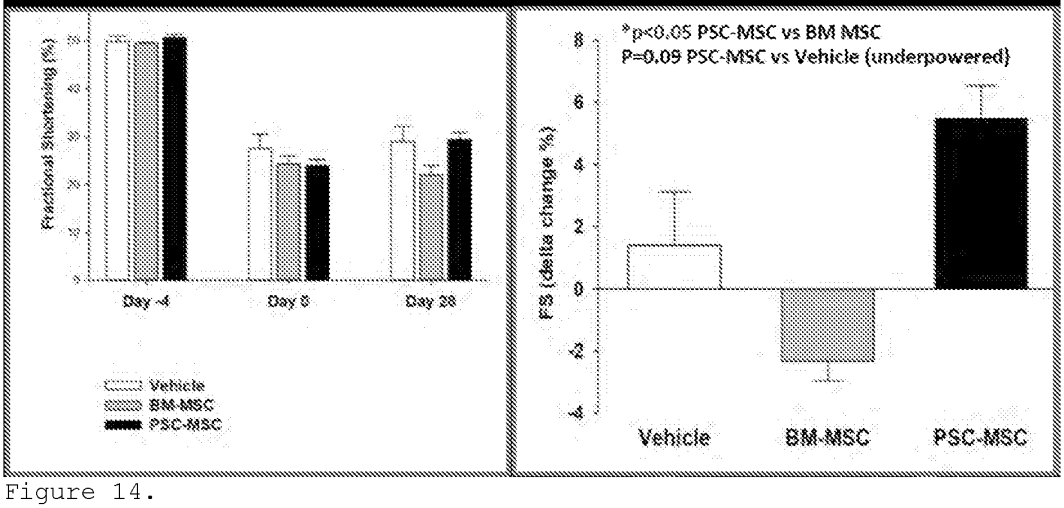



Figure 14.

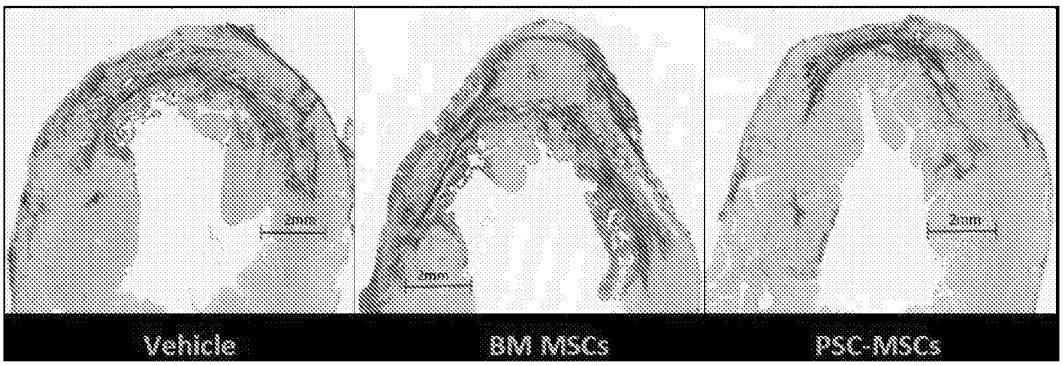



Figure 15.

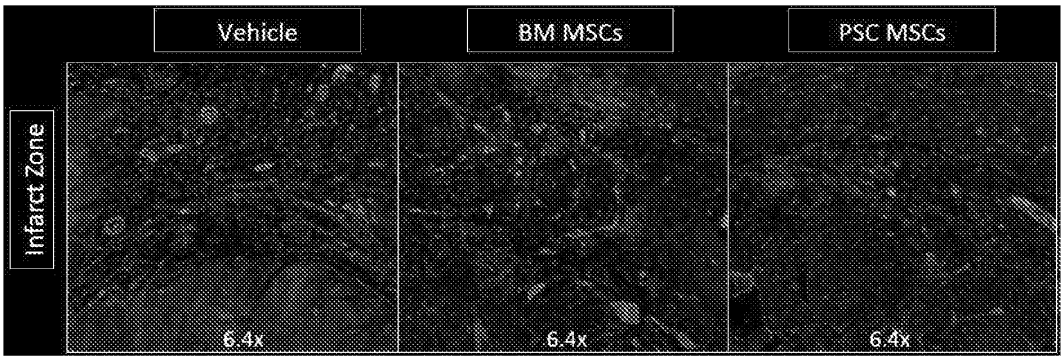



Figure 16.

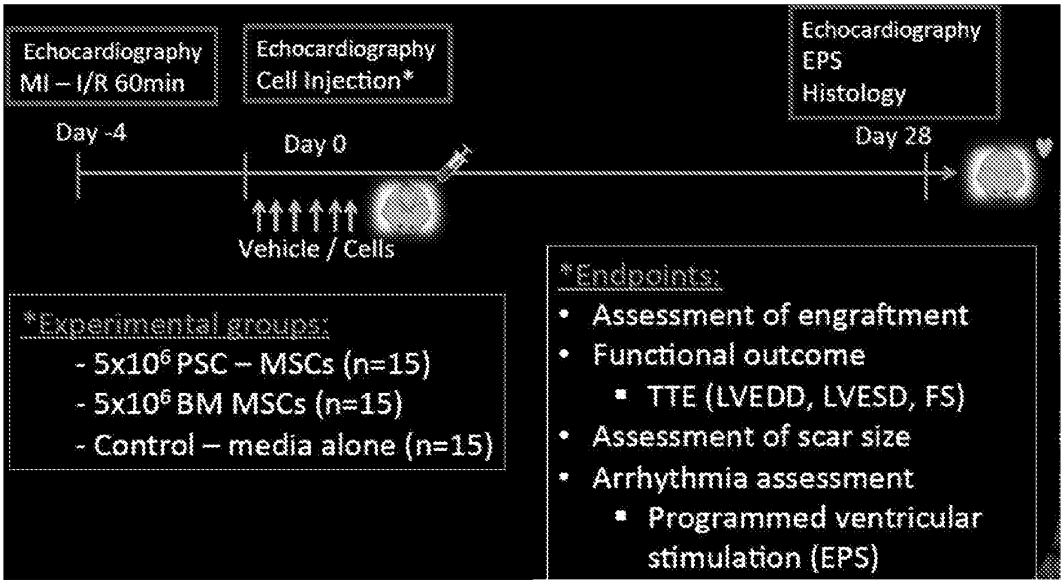



Figure 17.

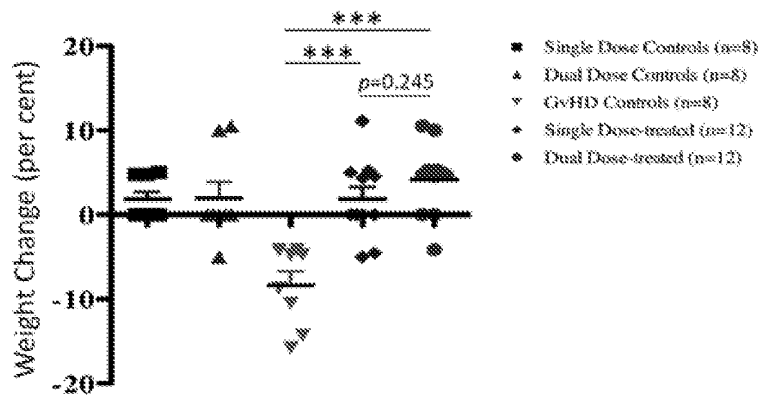



Figure 18.

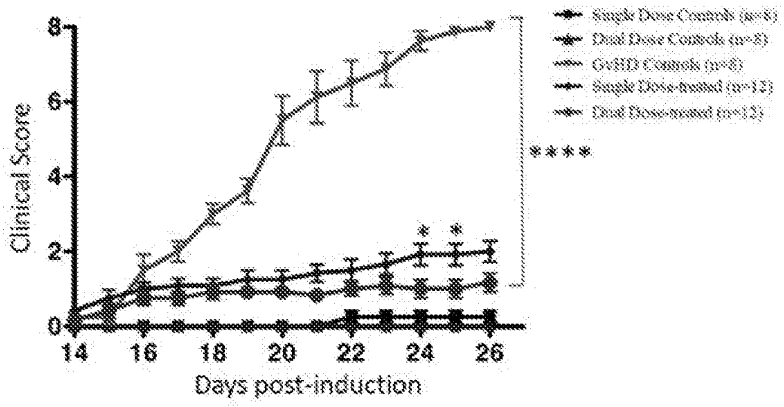



Figure 19.

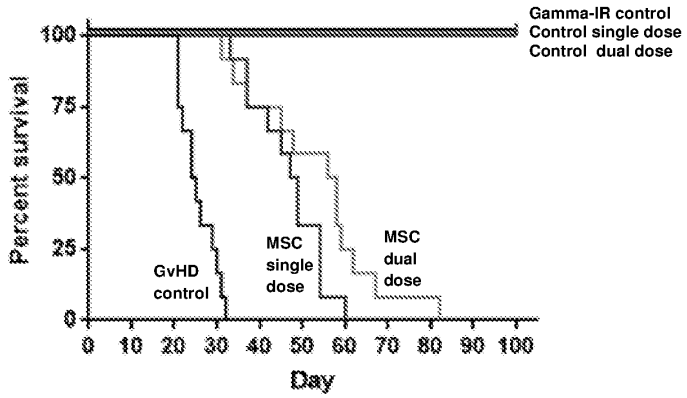



Figure 20.