Li et al. *Cell Death and Disease* (2019)10:202
https://doi.org/10.1038/s41419-019-1321-y

Cell Death & Disease

AUTHOR CORRECTION Open Access

Author Correction: Hypericin-mediated sonodynamic therapy induces autophagy and decreases lipids in THP-1 macrophage by promoting ROS-dependent nuclear translocation of TFEB

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Correction to: Cell Death and Disease (2016) **7**: e2527
https://doi.org/10.1038/cddis.2016.433
published online 22 December 2016

The authors wish to point out that in Fig. 1f, the picture of DAPI in the ATG5 siRNA group is incorrect. During the process of image synthesis, the authors mixed the pictures of DAPI in the control group and ATG5 siRNA group, leading to the duplicate between them of DAPI. Furthermore, the AMPK blot and the AKT blot in Fig. 2a were inadvertently duplicated with the third β-actin in Fig. 2a and AKT in Fig. 4e, respectively. The authors would like to apologize for any inconvenience this may have caused.

The correct figures are presented below.

Published online: 27 February 2019

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SPRINGER NATURE
CDDpress

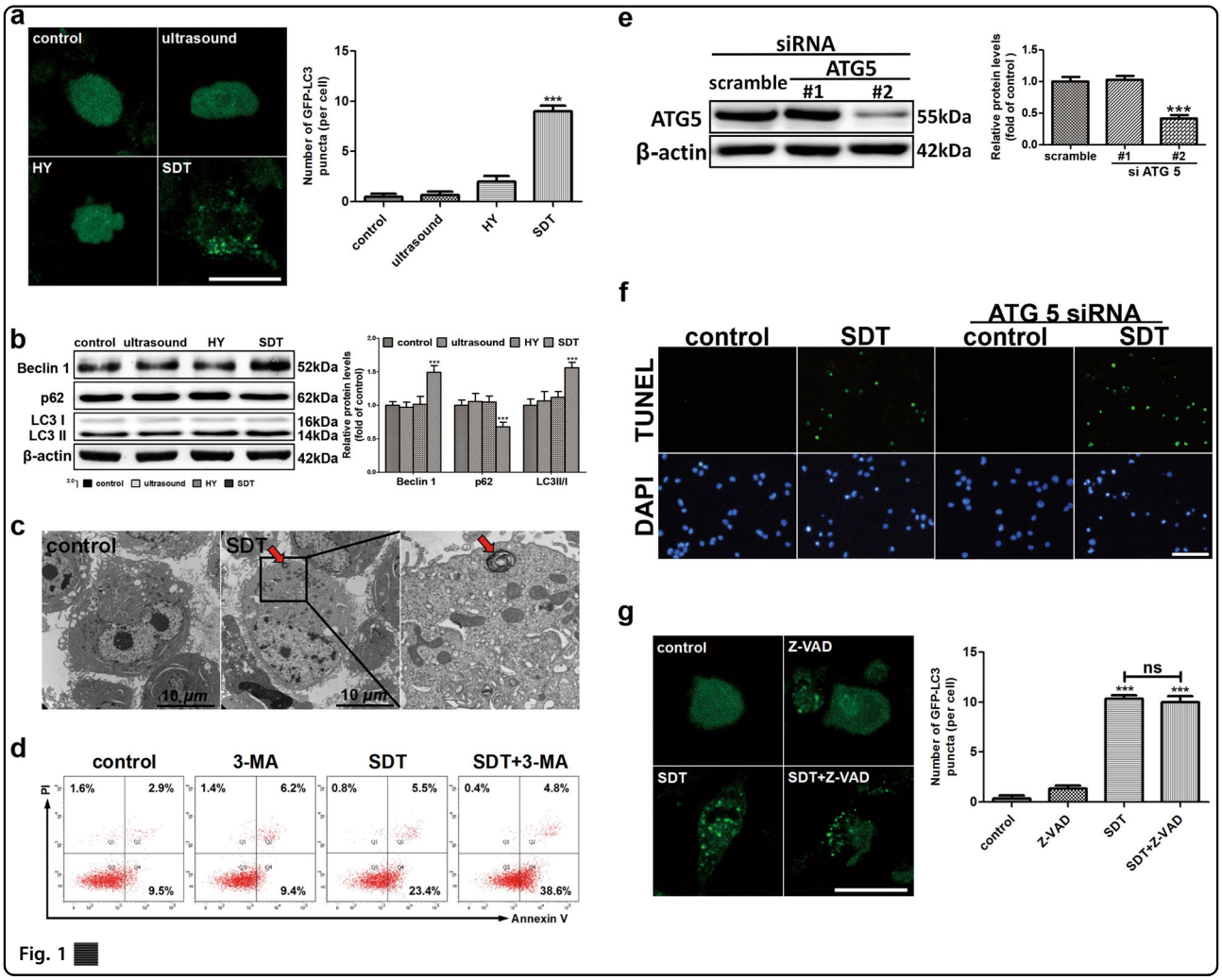
a
control
ultrasound
HY
SDT
Number of GFP-LC3 puncta (per cell)
b
control ultrasound HY SDT
Beclin 1
p62
LC3 I
LC3 II
β-actin
52kDa
62kDa
16kDa
14kDa
42kDa
Relative protein levels (fold of control)
Beclin 1
p62
LC3II/I
c
control
SDT
10 μm
d
control
3-MA
SDT
SDT+3-MA
PI
Annexin V
1.6%
2.9%
9.5%
1.4%
6.2%
9.4%
0.8%
5.5%
23.4%
0.4%
4.8%
38.6%
e
siRNA
scramble
ATG5
#1
#2
ATG5
β-actin
55kDa
42kDa
Relative protein levels (fold of control)
si ATG 5
f
ATG 5 siRNA
control
SDT
TUNEL
DAPI
g
control
Z-VAD
SDT
SDT+Z-VAD
ns

Fig. 1

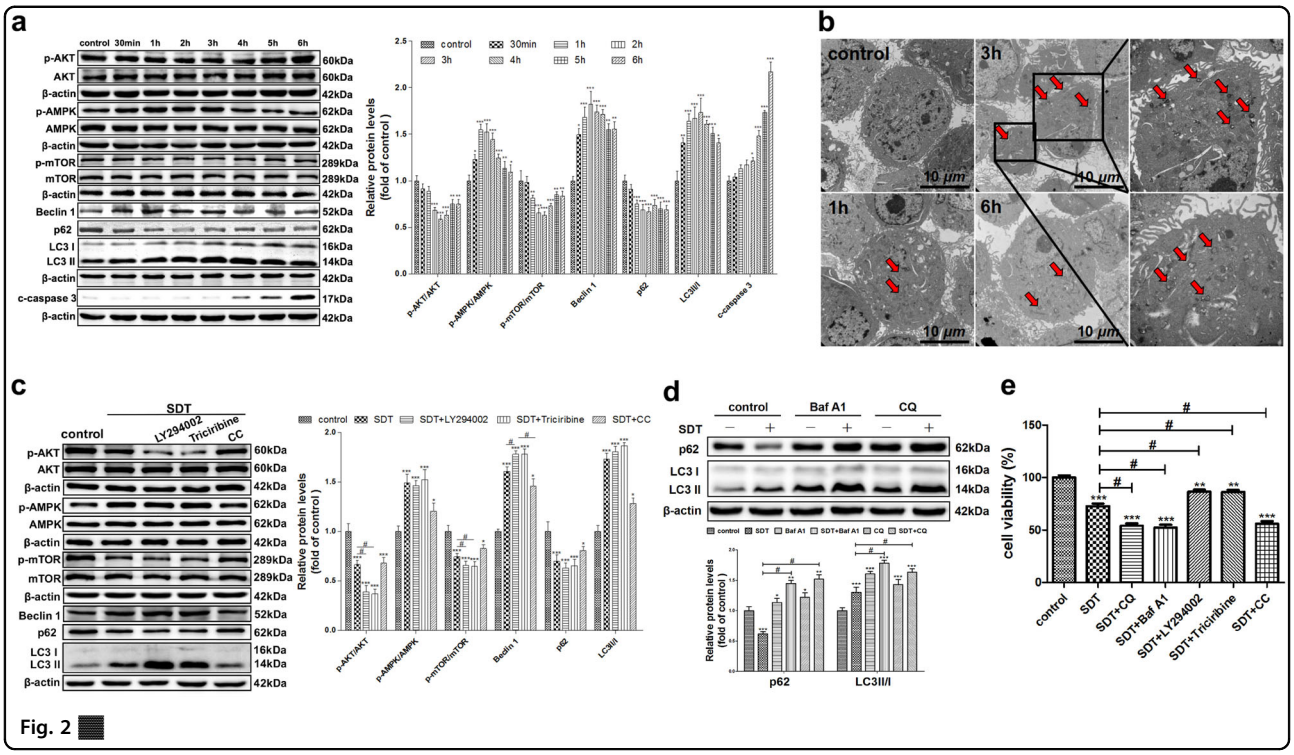
a
control 30min 1h 2h 3h 4h 5h 6h
p-AKT 60kDa
AKT 60kDa
β-actin 42kDa
p-AMPK 62kDa
AMPK 62kDa
β-actin 42kDa
p-mTOR 289kDa
mTOR 289kDa
β-actin 42kDa
Beclin 1 52kDa
p62 62kDa
LC3 I 16kDa
LC3 II 14kDa
β-actin 42kDa
c-caspase 3 17kDa
β-actin 42kDa
control 30min 1h 2h 3h 4h 5h 6h
Relative protein levels (fold of control)
p-AKT/AKT
p-AMPK/AMPK
p-mTOR/mTOR
Beclin 1
p62
LC3II/I
c-caspase 3
b
control
3h
1h
6h
10 μm
c
SDT
control
LY294002
Triciribine
CC
p-AKT 60kDa
AKT 60kDa
β-actin 42kDa
p-AMPK 62kDa
AMPK 62kDa
β-actin 42kDa
p-mTOR 289kDa
mTOR 289kDa
β-actin 42kDa
Beclin 1 52kDa
p62 62kDa
LC3 I 16kDa
LC3 II 14kDa
β-actin 42kDa
control SDT SDT+LY294002 SDT+Triciribine SDT+CC
Relative protein levels (fold of control)
p-AKT/AKT
p-AMPK/AMPK
p-mTOR/mTOR
Beclin 1
p62
LC3II/I
d
control
Baf A1
CQ
SDT
p62 62kDa
LC3 I 16kDa
LC3 II 14kDa
β-actin 42kDa
control SDT Baf A1 SDT+Baf A1 CQ SDT+CQ
Relative protein levels (fold of control)
p62
LC3II/I
e
cell viability (%)
control
SDT
SDT+CQ
SDT+Baf A1
SDT+LY294002
SDT+Triciribine
SDT+CC

Fig. 2