

Table S1. Primer sequences.

Primer	Sequence
<i>GAPDH forward</i>	5'-GGTGGACCTCATGGCCTACAT-3'
<i>GAPDH reverse</i>	5'-GCCTCTCTCTTGCTCTCAGTATCCT-3'
<i>U6 forward</i>	5'-CTC GCT TCG GCAGCACA-3'
<i>U6 reverse</i>	5'-AACGCTTCACGAATTTGCGT-3'
<i>HOTAIR forward</i>	5'-CAGTGGGGAACTCTGACTCG-3'
<i>HOTAIR reverse</i>	5'-GTGCCTGGTGCTCTCTTACC-3'
<i>GPC5 forward</i>	5'-A GACCACCACAAGGAACAGTG-3'
<i>GPC5 reverse</i>	5'-AGACTGGGCTTTGA TTCCATT-3'
<i>miR-217 forward</i>	5'-GGTCTACAAAGGGAAGC-3'
<i>miR-217 reverse</i>	5'-TTTGGCACTAGCACATT-3'
<i>BCL-2 forward</i>	5'-CTGGGAGAACGGGGTACGAT-3'
<i>BCL-2 reverse</i>	5'-GACCCCAACCGAACTCAAAGA-3'
<i>CASP-3 forward</i>	5'-GGAAGCGAATCAATGGACTCTGG-3'
<i>CASP-3 reverse</i>	5'-GCATCGACATCTGTACCAGACC-3'
<i>CCNA2 forward</i>	5'-CTCTACACAGTCACGGGACAAAG-3'
<i>CCNA2 reverse</i>	5'- CTGTGGTGCTTTGAGGTAGGTC-3'
<i>CCND1 forward</i>	5'- TCTACACCGACAACCTCCATCCG-3'
<i>CCND1 reverse</i>	5'- TCTGGCATTTTGGAGAGGAAGTG-3'
<i>P53 forward</i>	5'-ATCTGTTCACTTGTGCCCTG-3'
<i>P53 reverse</i>	5'-AACCAGCCCTGTCGTCTCTC-3'
<i>PTEN forward</i>	5'- : CCAGGACCA GAGGAAACCT-3'
<i>PTEN reverse</i>	5'- GCTAGCCTCTGGATTGA-3'

Table S2. MTT assay analysis and obtained IC50 values in normal and cancer cell lines.

Cell lines	IC50 values		
	24 h	48 h	72 h
<i>GES-1</i>	969.1 μ M	155.6 μ M	68.52 μ M
<i>AGS</i>	81.45 μ M	49.94 μ M	38.40 μ M
<i>MKN-45</i>	182.1 μ M	109.3 μ M	70.98 μ M

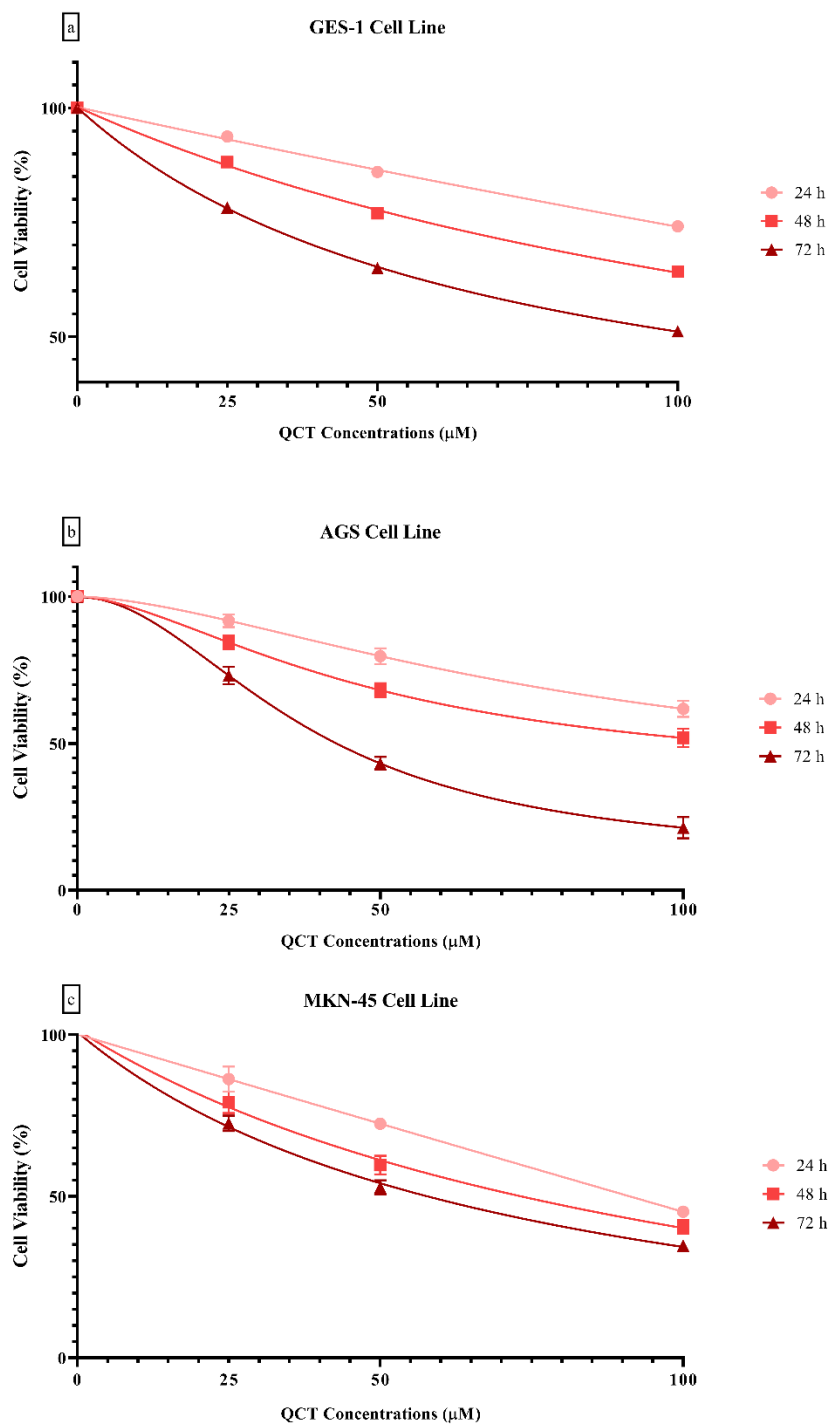


Figure S1. MTT assay was performed to determine the cytotoxicity of the studied doses of QCT in GES-1 (a), AGS (b), and MKN-45 (c) cell lines. The findings showed that the cytotoxicity of QCT in AGS and MKN-45 cells was dose- and time-dependent, whereas the IC_{50} of QCT in GES-1 cells was at a higher concentration than the studied doses.

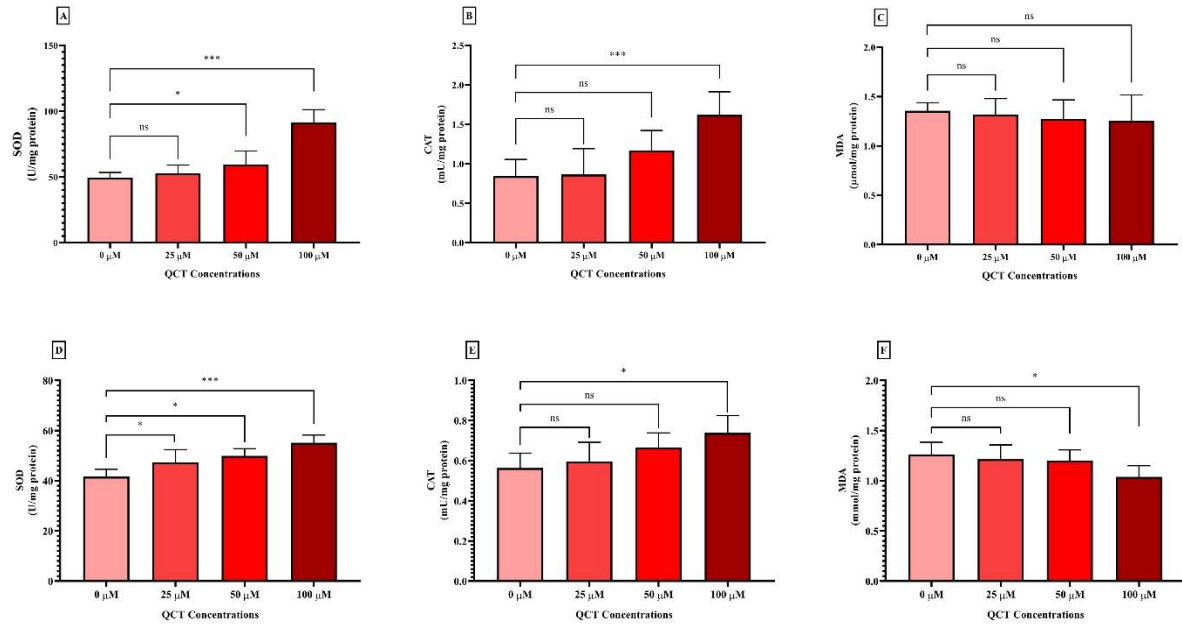


Figure S2. Oxidative stress was suppressed in GC cell lines upon treatment with QCT. The findings revealed that QCT significantly increased the levels of SOD (a in AGS and d in MKN-45) and CAT (b in AGS and e in MKN-45). Moreover, MDA (c in AGS and f in MKN-45) levels were measured. ***: p-value<0.001; **: p-value<0.01; *: p-value<0.05; ns: not significant; P-value<0.05 was considered significant.