

Supplementary Table 1: The effect of radiation exposure and TAT-Gap19 on different atherosclerosis inflammatory markers at 24 h, 48 h, 72 h and 7 d post exposure in TICAE and TIME cells. The effect of 0.1 Gy and 5 Gy of X-rays exposure was compared to 0 Gy controls, while 0 Gy, 0.1 Gy and 5 Gy TAT-Gap19 was compared to the respective radiation dose of the control (IR only) conditions.

| Cytokines | TIME point after IR | TICAE cells | | | | | | TIME cells | | | | | |
|---------------|---------------------|-------------|--------|------|---------------|--------|------|------------|--------|------|--------------|--------|------|
| | | IR | | | IR+ TAT-Gap19 | | | IR | | | IR+TAT-Gap19 | | |
| | | 0 Gy | 0.1 Gy | 5 Gy | 0 Gy | 0.1 Gy | 5 Gy | 0 Gy | 0.1 Gy | 5 Gy | 0 Gy | 0.1 Gy | 5 Gy |
| IL-6 | 24 h | | | | | | | | | | | | |
| MCP-1 | | | | | | | | | | | | | |
| PCAM-1 | | | | | | | | | | | | | |
| IL-1 β | | | | | | | | | | | | | |
| TNF- α | | | | | | | | | | | | | |
| CRP | | | | | | | | | | | | | |
| VCAM-1 | | | | | | | | | | | | | |
| E-Selectin | | | | | | | | | | | | | |
| ICAM-1 | | | | | | | | | | | | | |
| Endothelin-1 | | | | | | | | | | | | | |
| IL-6 | 48 h | | | | | | | | | | | | |
| MCP-1 | | | | | | | | | | | | | |
| PCAM-1 | | | | | | | | | | | | | |
| IL-1 β | | | | | | | | | | | | | |
| TNF- α | | | | | | | | | | | | | |
| CRP | | | | | | | | | | | | | |
| VCAM-1 | | | | | | | | | | | | | |
| IL-6 | 72 h | | | | | | | | | | | | |
| MCP-1 | | | | | | | | | | | | | |
| PECAM-1 | | | | | | | | | | | | | |
| IL-1 β | | | | | | | | | | | | | |
| TNF- α | | | | | | | | | | | | | |
| CRP | | | | | | | | | | | | | |
| VCAM-1 | | | | | | | | | | | | | |
| E-Selectin | | | | | | | | | | | | | |
| IL-8 | | | | | | | | | | | | | |
| ICAM-1 | | | | | | | | | | | | | |
| Endothelin-1 | | | | | | | | | | | | | |
| PAI-1 | | | | | | | | | | | | | |
| IL-6 | 7 d | | | | | | | | | | | | |
| MCP-1 | | | | | | | | | | | | | |
| IL-1 β | | | | | | | | | | | | | |
| VCAM-1 | | | | | | | | | | | | | |
| IL-8 | | | | | | | | | | | | | |
| Endothelin-1 | | | | | | | | | | | | | |
| IGFBP-7 | | | | | | | | | | | | | |
| GDF-15 | | | | | | | | | | | | | |

| | |
|--|---|
| | No significant changes |
| | A significant increase, when $p < 0.05$ |
| | A significant increase, when $p < 0.01$ |
| | A significant decrease, when $p < 0.05$ |
| | A significant decrease, when $p < 0.01$ |