MMP: matrix metalloproteinase. INF-r*: interferon*-r, TNF-a: tumor necrosis factor-a. IL: interleukin. CCL: chemokine (C-C motif) ligand. CXCL: chemokine(C-X-C motif) ligand. G-CSF: granulocyte-colony stimulating factor. TIMP-1: tissue inhibitor of metalloproteinases-1. TREM-1: triggering receptor expressed on myeloid cells 1. PAI-1: plasminogen activator inhibitor-1. AKT: protein kinase B. t-PA: Tissue plasminogen activator. U-PA: *cytokine*-regulated urokinase-type-plasminogen-activator. JNK: c-Jun N-terminal kinase.

Table III. Comparison of elastase-induced AAA in young mice with different geriatric mice groups at day 14 post-surgery. The survival rate, incidence of AAA rate and aortic diameter seemed lower as the mice grew older, but there were no statistical differences among groups ($P > .05$).

Suppl 1. 3-Dimensional magnetic resonance images of AAA with thrombus from 100 day BAPN+Elastase Group. MRI images rotate clockwise from left to right. MRI images showed huge abdominal aneurysm of the infra-renal aorta with thrombi (arrows), demonstrating the dramatic anatomical and hemodynamic changes inside the AAA.

Suppl 2. Comparison of inflammatory cytokines levels in aortic samples. Multiple cytokine levels were higher in BAPN+Elastase Group than Elastase Group on day 7 post-surgery. MCP-1, TIMP-1 and IL-23 levels were higher in BAPN+Elastase Group than Elastase Group at all time points during the experiment. Blue---BAPN Group; Red--- Elastase Group; Green---BAPN+Elastase Group.

Suppl 3. Comparison of MMP levels in aortic samples among three groups. Zymography showed higher level of pro-MMP2 in BAPN+Elastase Group at days 21 and 100. MMP9 levels were only elevated during the early stage of aneurysm formation. BAPN+Elastase Group compared with Elastase Group * $P < .05$, ** $P < .01$. Blue---BAPN Group; Red--- Elastase Group; Green---BAPN+Elastase.

Suppl 4. Comparison of aortic cytokines levels between Elastase Group and BAPN+Elastase Group. E 7 --- Elastase Group on day 7; B+E 7 --- BAPN+Elastase Group on day 7.