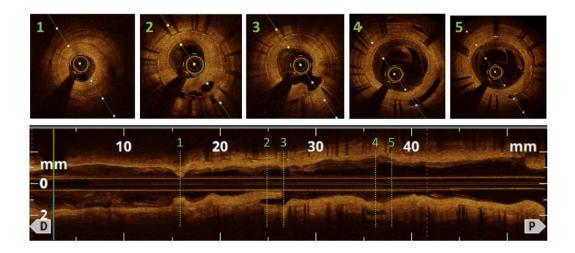
## SUPPLEMENTARY MATERIAL

Supplementary file 1. Optical-coherence tomography.

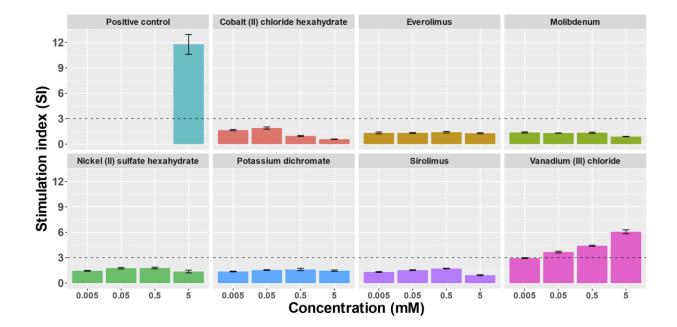
Axial and longitudinal images from optical coherence tomography intracoronary interrogation showing in-stent severe restenosis. Cross-section 1 shows minimal luminal area (1.0 mm<sup>2</sup>) with bright, homogeneous, severe neointimal formation. Cross-sections 2 and 3 depict a confined cavity on the neointimal tissue, and cross-sections 4 shows less severe instent neointimal formation. Cross-section 5: mild-moderate neointimal formation in proximal stented segment.



Supplementary file 2. Patch test with vanadium.

Intense erythema, infiltrate and coalescing vesicles (+++) to vanadium (III) chloride 1% at 96 hours reading.





Supplementary file 3. Cell stimulation index according to metal salts and mTOR concentration.