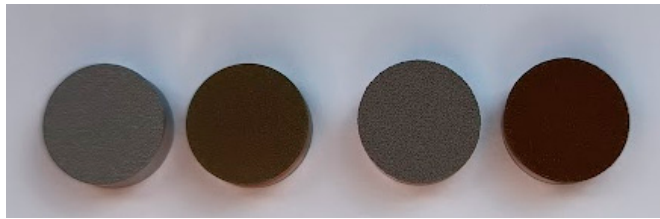


**Supplementary Figure S1** - SEM image of the cross-section of the SML coating.



**Supplementary Figure S2** - From left to right: Uncoated corundum-blasted titanium discs (Uncoated-CB), SML-coated corundum-blasted titanium discs (SML-CB), uncoated plasma-sprayed microporous-coated titanium discs (Uncoated-PS) and SML-coated plasma-sprayed microporous-coated titanium discs (SML-PS).