Supplementary material

Ciszewski G, Pruszkowska P, Kowalski O. A novel electrogram (EGM)-based algorithm in the assessment of critical isthmus location in complex atrial re-entry. Kardiol Pol. 2020; 78: 941-942. doi:10.33963/KP.15445

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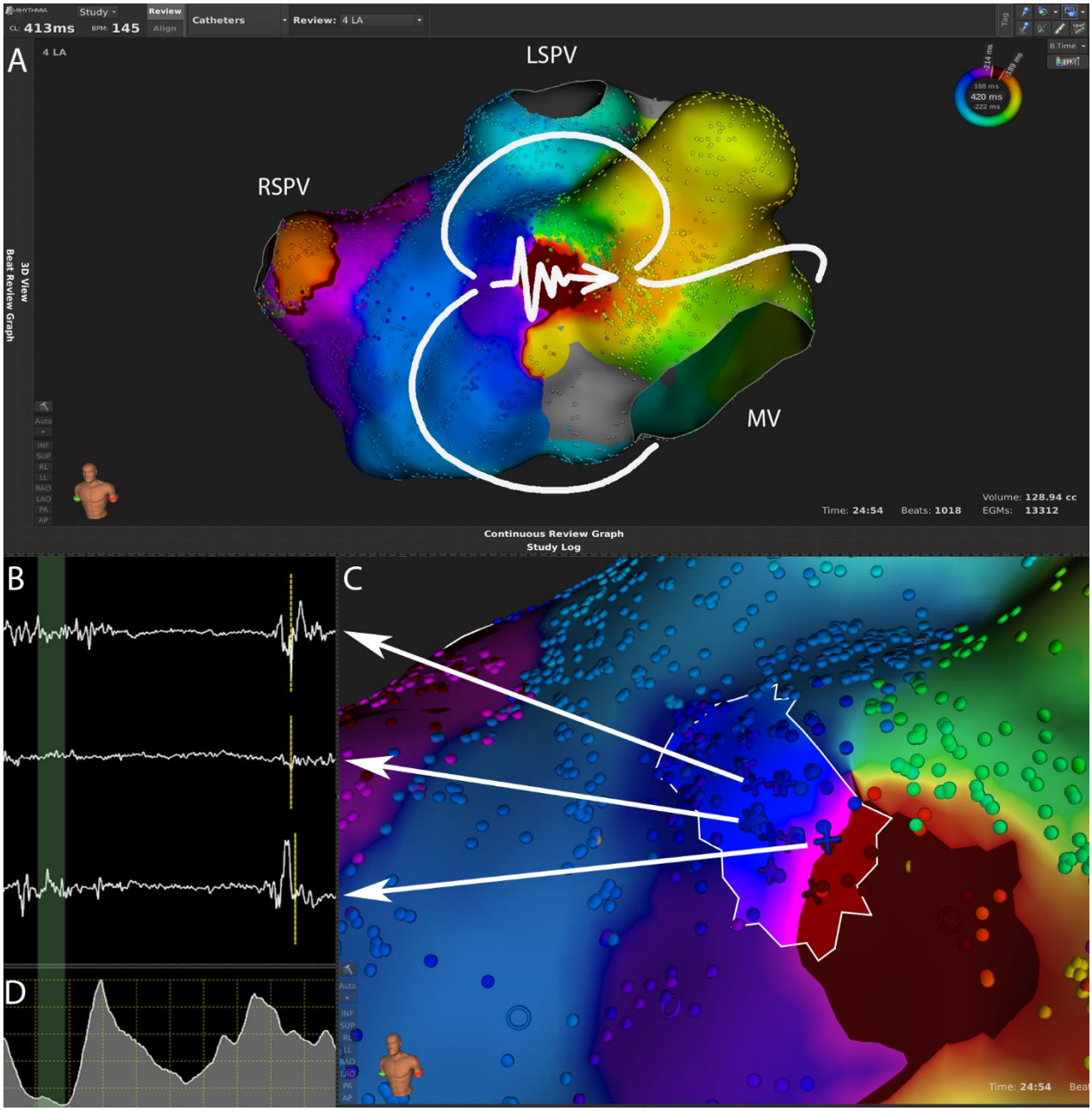


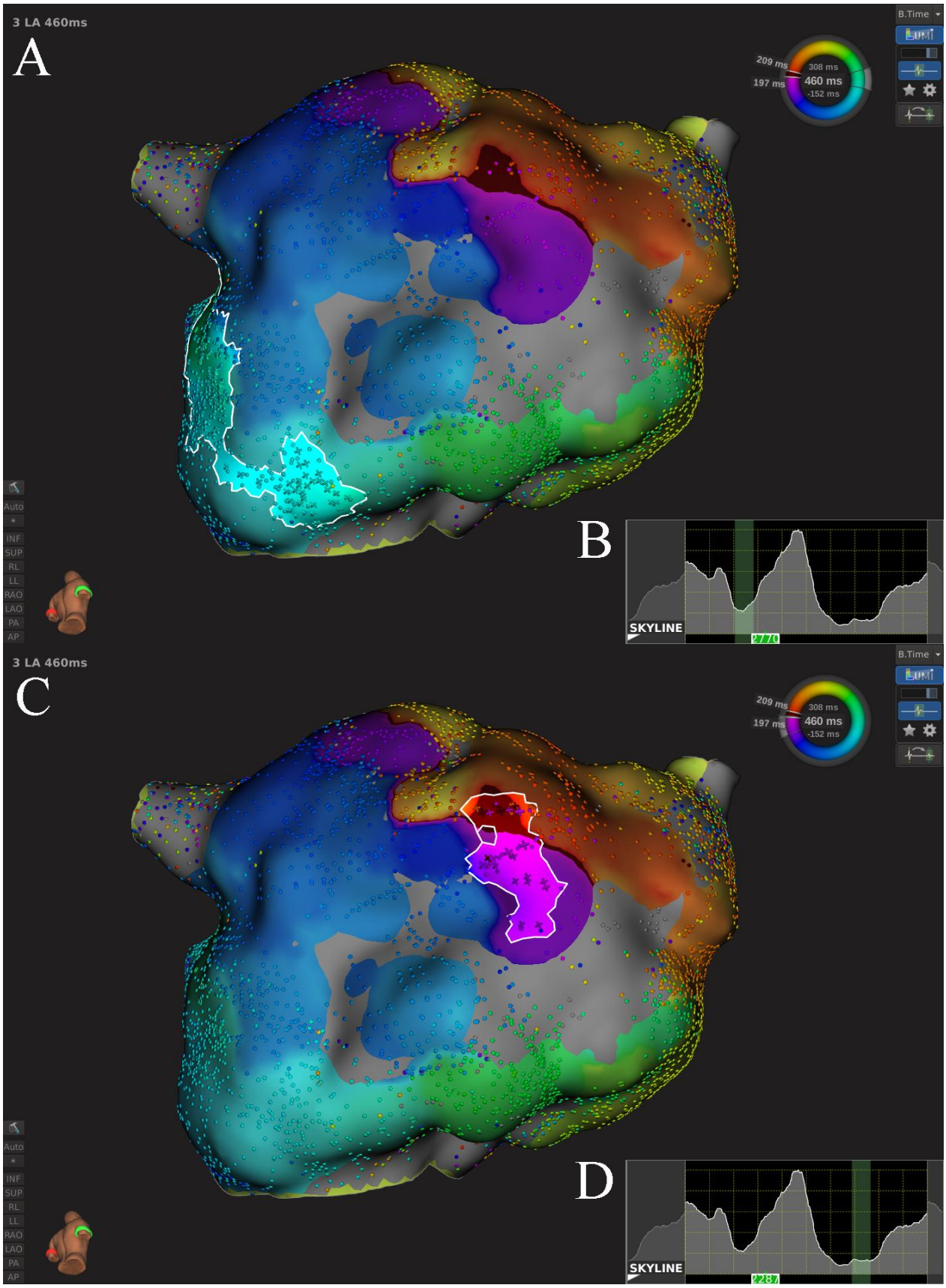
Figure S1. Panel A. Left atrial activation map during second tachycardia (CL 420ms). Anterior view.

Confidence mask > 0.15mV. LSPV – left superior pulmonary vein. RSPV – right superior pulmonary vein. MV – mitral valve

Panel B. Local fractionated EGMs recorded in the isthmus area.

Panel C. Common isthmus area in the LA anterior wall highlighted by LUMIPOINT. Ablation target 2.

Panel D. SKYLINE graph. LUMIPOINT Activation Window (green bar) covers the lowest histogram value highlighting potential isthmus on the map (Panel C).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A
B.Time
209 ms
197 ms
308 ms
460 ms
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Auto
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Figure S2 LA activation map during first tachycardia (CL 460ms). Posterior view. Comparison between two areas, both corresponding with valleys on Skyline histogram.

Panel A. Area highlighted by LUMIPOINT when Activation Window covers the first, shallow valley on the SKYLINE.

Panel B. Corresponding SKYLINE graph. Green bar - Activation Window over the shallow valley.

Panel C. Area highlighted by LUMIPOINT when Activation Window covers the deepest valley on the SKYLINE. Ablation on this spot terminated the first tachycardia.

Panel D. Corresponding SKYLINE graph. Green bar - Activation Window over the deepest valley