

Coronary Stenting: The Arterial Collapse

HIGH-RETENTION 42S SHORT-FORM PRODUCTION SCRIPT PACKAGE

INTRAVASCULAR BIOMECHANICS
PATTERN-INTERRUPT ENGINE

1. LOCKED REELS HEADER & METADATA

REELS TITLE:	The mechanical cobalt scaffold preventing instant myocardial collapse.
REELS DESCRIPTION:	When calcified cholesterol limits coronary diameter, heart muscle starves within seconds. Angioplasty restores blood flow through sub-millimeter radial ingress, dynamic hydraulic balloon dilation, and permanent cobalt-chromium scaffolding. Here is the intravascular physics of saving ischemic tissue.
AUDIO BED & TRACK:	Dynamic cinematic tension bed // Sub-bass visceral heartbeat paired with high-frequency hydraulic risers + Sudden 0.4s Climax Audio Vacuum (Lorn - Acid Rain Sped-Up Edit).
HASHTAGS:	#CoronaryStent #TheBodysBlueprint #Cardiology #MedicalAnimation #Angioplasty #HeartPhysiology #Biomechanics

2. CONTINUOUS NARRATION AUDIO TRANSCRIPTION (ZERO-GAP PARITY LOCK)

"The heavy crushing sensation gripping your chest right now is not simple fatigue, because deep inside coronary arteries, dense layers of calcified cholesterol silently choke off oxygen to the beating heart muscle. Surgeons thread a microscopic catheter through radial wrist vessels, navigating directly toward the starving cardiac tissue. A tiny balloon violently expands under immense hydraulic force, flattening stubborn plaque against the arterial wall. A gleaming cobalt mesh stent expands permanently into place, preventing the elastic vessel from collapsing shut. When the balloon deflates, a massive torrent of pressurized blood surges through the reopened channel, instantly rescuing dying cardiac tissue before necrosis strikes, permanently halting the lethal internal blockage that always triggers—"

WORD COUNT: 112 WORDS

TARGET DELIVERY: 160 WPM

FRAME-ACCURATE LOOP BRIDGE: [SEAMLESS STITCH TO FRAME 0]

3. 42-SECOND MASTER PACING BREAKDOWN (HIGH-RETENTION PATTERN DYNAMIC)

SCENE & TIMING		SUB-SECOND MICRO-PACING STRATEGY	PHYSIOLOGICAL NARRATIVE TARGET
Scene 1 (0:00–0:06)	Hook / Somatic Lock	0.0s Thoracic clench → 0.8s snap zoom into coronary cutaway → 3.2s lumen stenosis isolate.	Somatic angina pectoris trigger + lethal myocardial hypoxia implantation.
Scene 2 (0:06–0:12)	Inciting Incident / Threat	6.0s Endothelial glide → 8.2s calcified lipid wall → 10.5s erythrocyte pileup.	Atherosclerotic plaque accumulation and severe ischemic constriction.
Scene 3 (0:12–0:18)	Rising Action / Pinch 1	12.0s Radial wrist puncture → 14.2s guide track → 16.5s fluoroscopic dye lock.	Intravascular guide wire and catheter navigation under X-ray imaging.
Scene 4 (0:18–0:24)	Midpoint / Systemic Pivot	18.0s Deflated balloon position → 20.4s hydraulic burst → 22.8s plaque crush.	Mechanical angioplasty compression displacing stubborn lipid mass.
Scene 5 (0:24–0:30)	Pinch 2 / Escalation	24.0s Mesh stretch → 26.2s strut embedding → 28.5s drug-eluting glow.	Permanent cobalt scaffolding preventing elastic recoil and restenosis.
Scene 6 (0:30–0:36)	Climax / Reperfusion	30.0s Total audio vacuum → 30.4s balloon pull → 32.2s arterial flood shock.	Sudden catastrophic pressure release and high-velocity reperfusion.
Scene 7 (0:36–0:42)	Resolution & Loop	36.0s Re-oxygenated tissue → 38.8s macro heart pullout → 41.8s match cut to 0.0s.	Restored hemodynamic equilibrium and seamless infinite retention loop.

4. SCENE PRODUCTION SCRIPTS (ACTS I THROUGH IV)

SCENE 1: HOOK / SOMATIC STATUS QUO0:00 – 0:06 (6.0s)RETENTION INTERRUPT

SOMATIC ANCHOR:

"The heavy crushing sensation gripping your chest right now..." (Involuntary thoracic focus)

VISUAL ARC:

0.0s hard pattern-interrupt (chest clench) cutting instantly into hyper-realistic translucent myocardium cutaway; isolated coronary branch occluded in deep background.

MICRO-PACING:

0.0s Thoracic clench cut → 0.8s crash-zoom into coronary branch → 2.2s cellular bottleneck isolate → 4.0s red blood cell stall.

NARRATION:

"The heavy crushing sensation gripping your chest right now is not simple fatigue, because deep inside" (16 words)

AUDIO ARC (SFX):

Baseline entry: Muffled, struggling heartbeat at 55 BPM with deep sub-bass drone. Visceral arterial fluid hiss.

KINETIC TEXT:

[CRUSHING SENSATION][NOT FATIGUE][DEEP INSIDE]

PROMPT:

3D medical animation, rapid macro crash-zoom from human ribcage into narrowed coronary artery lumen, lipid deposits encroaching channel, cinematic lighting, soft rim light, ARRI Alexa Mini LF, macro lens 100mm f/2.8, ray-traced translucency, moody crimson and cold amber, upper 15% clear --ar 9:16 --style raw

SCENE 2: INCITING INCIDENT / OCCLUSION THREAT0:06 – 0:12 (6.0s)

VISUAL ARC:

Intravascular tracking through narrowed channel, revealing rugged banks of calcified lipid plaque squeezing lumen shut.

MICRO-PACING:

6.0s Endothelial glide → 8.0s crystalline calcium zoom → 10.2s trapped red cell pileup.

NARRATION:

"coronary arteries, dense layers of calcified cholesterol silently choke off oxygen to the beating heart muscle." (16 words)

AUDIO ARC (SFX):

Heartbeat strains to 72 BPM. Choked fluid cavitation, subtle crystalline calcification creaks.

KINETIC TEXT:

[CALCIFIED PLAQUE][OXYGEN BLOCKED][HEART STRAIN]

PROMPT:

Ultra-macro medical animation inside occluded coronary artery, rugged crystalline calcium and fat deposits choking vessel lumen, halting red blood cells, Octane render, 8k, cinematic hospital lighting, ARRI Alexa Mini LF, macro 100mm f/2.8, upper 15% clear --ar 9:16 --style raw

SCENE 3: RISING ACTION / PINCH 1 (VASCULAR INGRESS)0:12 – 0:18 (6.0s)

VISUAL ARC:

Radial wrist puncture tracking rapid guide catheter track ascending arm vasculature; cut to fluoroscopic dye map.

MICRO-PACING:

12.0s Radial entry snap → 14.0s high-speed vascular track → 16.2s radiopaque dye burst outlining stenosis.

NARRATION:

"Surgeons thread a microscopic catheter through radial wrist vessels, navigating directly toward the starving cardiac tissue." (16 words)

AUDIO ARC (SFX):

Heartbeat accelerates to 88 BPM with ascending Shepard riser. Sterile clinical guide hum, dye pulse whoosh.

KINETIC TEXT:

[RADIAL ACCESS][CATHETER TRACK][TARGET LOCKED]

PROMPT:

3D anatomical view of translucent arm showing guide wire sliding through radial artery into thoracic cavity, cutting to live fluoroscopic inverted X-ray contrast dye burst, clinical realism, 8k, volumetric lighting, upper 15% clear --ar 9:16 --style raw

SCENE 4: MIDPOINT / SYSTEMIC PIVOT (MECHANICAL DILATION)0:18 – 0:24 (6.0s)

VISUAL ARC:

Catheter centers deflated balloon across blockage; massive hydraulic pressure drives radial expansion, crushing plaque.

MICRO-PACING:

18.0s Alignment lock → 20.2s pneumatic pressure spike → 22.5s mechanical plaque displacement against wall.

NARRATION:

"A tiny balloon violently expands under immense hydraulic force, flattening stubborn plaque against the arterial wall." (16 words)

AUDIO ARC (SFX):

Heartbeat climbs to 105 BPM. High-pressure pneumatic hiss, wet mechanical crunch as calcified mass yields.

KINETIC TEXT:

[HYDRAULIC FORCE][PLAQUE CRUSHED][CHANNEL OPENED]

PROMPT:

Intravascular macro shot of angioplasty balloon inflating with massive pressure, compressing yellow lipid plaque against artery walls, photorealistic tissue elasticity, gleaming medical polymers, 8k, Octane render --ar 9:16 --style raw

5. SCENE PRODUCTION SCRIPTS (ACTS V THROUGH VII & LOOP)

SCENE 5: PINCH 2 / ESCALATION (SCAFFOLD DEPLOYMENT)

0:24 – 0:30 (6.0s)

VISUAL ARC: Gleaming cobalt-chromium mesh expands outward, biting into the compressed intima; antiproliferative drug coating glints.
MICRO-PACING: 24.0s Mesh radial stretch → 26.2s strut embed snap → 28.5s microscopic drug molecule emission shimmer.
NARRATION: "A gleaming cobalt mesh stent expands permanently into place, preventing the elastic vessel from collapsing shut." (16 words)
AUDIO ARC (SFX): Heartbeat accelerates to 124 BPM, Shepard tone climbing. Metallic ratchet lock and tension clicks.
KINETIC TEXT: [COBALT MESH] [PERMANENT LOCK] [ANTI-COLLAPSE]

PROMPT: Extreme macro 3D medical animation of laser-cut cobalt-chromium stent expanding, struts locking into artery wall, drug-eluting coating glowing with subtle cyan particles, 8k, ray-traced subsurface scattering --ar 9:16 --style raw

SCENE 6: CLIMAX / THE REPERFUSION DROP

0:30 – 0:36 (6.0s)

RETENTION CLIMAX DROP

VISUAL ARC: Balloon completely deflates and withdraws. A colossal, pressurized crimson tidal wave of blood surges through open stent.
MICRO-PACING: 30.0s Complete motion freeze → 30.4s vacuum collapse → 32.2s tidal blood surge → 34.5s total lumen flush.
NARRATION: "When the balloon deflates, a massive torrent of pressurized blood surges through the reopened channel, instantly" (16 words)
AUDIO ARC (SFX): 30.0s–30.4s COMPLETE AUDIO SILENCE (Vacuum gap). At 30.4s: Heartbeat resets to 64 BPM with explosive sub-bass hydro-drop.
KINETIC TEXT: [BALLOON WITHDRAWS] [PRESSURIZED SURGE] [REPERFUSION]

PROMPT: Intravascular slow-motion shot, balloon collapses and retracts leaving rigid cylindrical mesh scaffold, sudden volcanic rush of oxygenated red blood cells flooding camera lens, volumetric hydrodynamics, 8k --ar 9:16 --style raw

SCENE 7: RESOLUTION, MYOCARDIAL RECOVERY & INFINITE LOOP

0:36 – 0:42 (6.0s)

VISUAL ARC: Pull-out from stent into macro view of anterior heart wall re-oxygenating to vibrant crimson; match cuts back to Scene 1.
MICRO-PACING: 36.0s Tissue re-oxygenation glide → 38.8s full cardiac orbit → 41.8s match cut to Scene 1 opening frame.
NARRATION: "rescuing dying cardiac tissue before necrosis strikes, permanently halting the lethal internal blockage that always triggers—" (16 words)
AUDIO ARC (SFX): Heartbeat locks into stable 60 BPM rhythm. Reverse suction swoosh at 41.8s cutting seamlessly into Scene 1 opening heartbeat.
KINETIC TEXT: [TISSUE SAVED] [NECROSIS HALTED] [TRIGGERS...]

PROMPT: Reverse orbital crane out from arterial stent into full 3D pulsating human heart model, myocardium shifting from ischemic blue to healthy vibrant red, framing matches Scene 1, ARRI Alexa Mini LF, 8k --ar 9:16 --style raw

6. HIGH-CTR CLEAN THUMBNAIL ARCHITECTURE

MASTER THUMBNAIL PACKAGE

STRICT ANTI-BAIT POLICY

VISUAL COMPOSITION & FOCUS

Subject Focus (65%): Ultra-macro split-perspective cutaway of coronary artery mid-dilation. Left half choked with calcified plaque; right half forced wide open by gleaming cobalt mesh.

Color Depth & Void (25%): Deep desaturated obsidian/navy void with dramatic high-contrast crimson and amber rim lighting tracing strut borders.

Authority Overlay (10%): Clean clinical HUD element reading: LUMEN PATENCY: 100%.

TYPOGRAPHY & MIDJOURNEY PROMPT

Header Copy: ARTERIAL COLLAPSE (Top 20% safe zone, bold sans-serif, pure white fill, razor-thin dark stroke).

Clean Design Rule: Zero simulated scrubbers or fake play buttons. Clinical intrigue drives high-retention CTR.

THUMBNAIL PROMPT: Ultra-macro 3D medical illustration render of coronary artery cutaway, cobalt-chromium stent locking open clogged artery wall, calcified yellow plaque crushed flat, rushing red blood cells, Octane render, 8k, textbook realism --ar 9:16 --style raw