

Structural Heart Disease State

Treatment options

Medication

Control heart rhythm disturbance

Lower blood pressure

Cannot reverse the stenosis



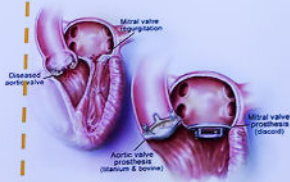
Balloon Valvuloplasty

Opens up the valve



Surgical Valve Replacement

Invasive procedure



Transcatheter Valve Replacement

Minimally invasive



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• Resolute Integrity DES

• <https://www.youtube.com/watch?v=Kz0t0mK099w&list=PLw0www.youtube.com/watch?v=Kz0t0mK099w>

• Onyx Transradial Approach

• https://www.youtube.com/watch?v=rsdL_800YcI

• Onyx Stent Overview

• https://www.youtube.com/watch?v=K0k0w0L_0f8k

• Onyx Ballooning (first few seconds)

• https://www.youtube.com/watch?v=rsdL_800YcI

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Sure This Door
Locks When You
Close It



Summary Invasive



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THE FOUR-WAY TEST
of the things we think, say or do

first...

Is it the TRUTH?

second...

Is it FAIR to all concerned?

third...

Will it build
goodwill and BETTER
relationships?

fourth...

Will it be BENEFICIAL
to all concerned?

Please Make
Sure This Door
Locks When You
Close It

Thank You

Ryan

Hypertension diagnosis and therapy are failing many patients

A third of the adult population is impacted by HTN — 1.13B people worldwide¹

Hypertension affects

1:4 men²



1:5 women²



10%
of global healthcare
spending is
related to HTN³

< 20%
of HTN patients have their
blood pressure under
control⁴

The unmet need is extensive:
Uncontrolled hypertension dramatically increases the risk of heart attack, heart failure, stroke, and kidney failure ^{5,6}

¹ World Health Organization. Hypertension Fact Sheet. Available at: <http://www.who.int/news-room/fact-sheets/detail/hypertension>. Accessed February 4, 2022.
² WHO and ICM Hypertension Fact Sheet. Available at: <http://gha.world.who.int/who-icm-hypertension-fact-sheet>. Accessed January 21, 2022.
³ CDC. AMHHS 2012-2013. 100-100. Available at: <https://www.cdc.gov/mmwr/preview/mmwr/stor/worw1102a1.htm>. Accessed February 4, 2022.
⁴ Savelkov NK, et al. Hypertension. 2020;71:1249-1274.
⁵ WHO. The world health report 2002 — Reducing Risks, Promoting Healthy Life. Available at: <http://www.who.int/whr/2002/en/>. Accessed January 10, 2022.
⁶ Kannel WB, et al. Lancet. 2002;360:1024-1030.



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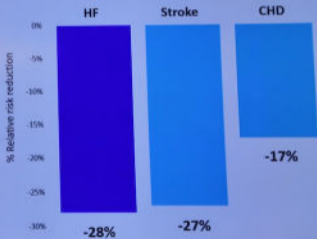
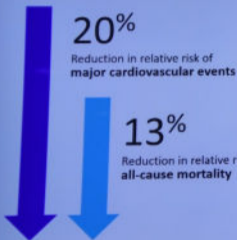
third...
**Will it build GOOD WILL
and BETTER FRIENDSHIPS?**

fourth...
**Will it be BENEFICIAL to
all concerned?**

Controlling hypertension is critically important

Blood pressure control *reduces the risk* of debilitating side effects

10 mm Hg decrease in mean office SBP leads to:



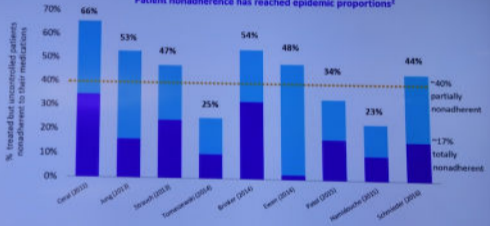
Medication adherence emerged as a confounding factor

Sources of variance that may have affected the HTN-3 result



Drug changes and variable patient adherence
~40% of patients had changes to their medications within HTN-3¹

Patient nonadherence has reached epidemic proportions²



Many patients cannot tolerate polypharmacy and abandon it²

¹Agostoni G, et al. *Am J Hypertens*. 2012;25(11):1217.
²Smith J, et al. *Hypertension*. 2012;59(1):11-16.







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Peterson, Justin

Andrea

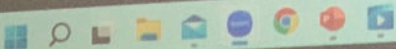
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