



# A first-of-its-kind, cuff-less, wrist wearable technology for continuous, non-invasive blood pressure monitoring



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## Unmet Clinical Need

- LOW BP**  
high risk factor for 35M critically ill patients in hospitals
- 3M heart attack/kidney failure leading to post-op death
  - #3 leading cause of mortality in the US
  - 300K unexpected cardiac arrests

- HIGH BP**  
affects 1.4B people globally
- 30% misdiagnoses of hypertension
  - Inability to measure nighttime BP

## Limitations with existing products

### Automatic Cuff



- Inaccuracy, Monitoring gaps**
- Inaccurate – Up to 10mmHg error in 50% measurements
  - Monitoring gaps – Episodic measurements

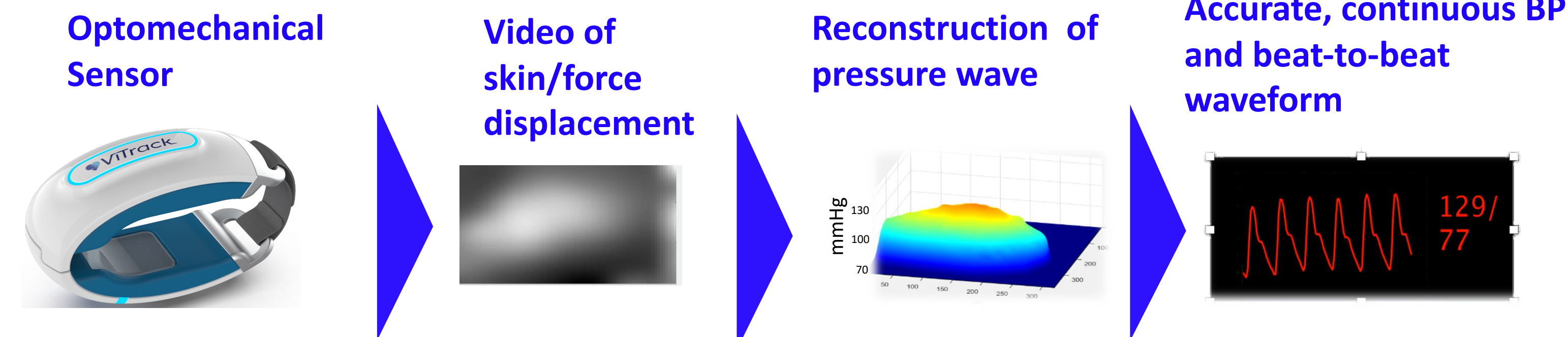
### Intra-arterial pressure (IAP)



- Continuous, but invasive**
- High complication rate (~40%)
  - 30% of times inaccurate
  - High maintenance and cost -

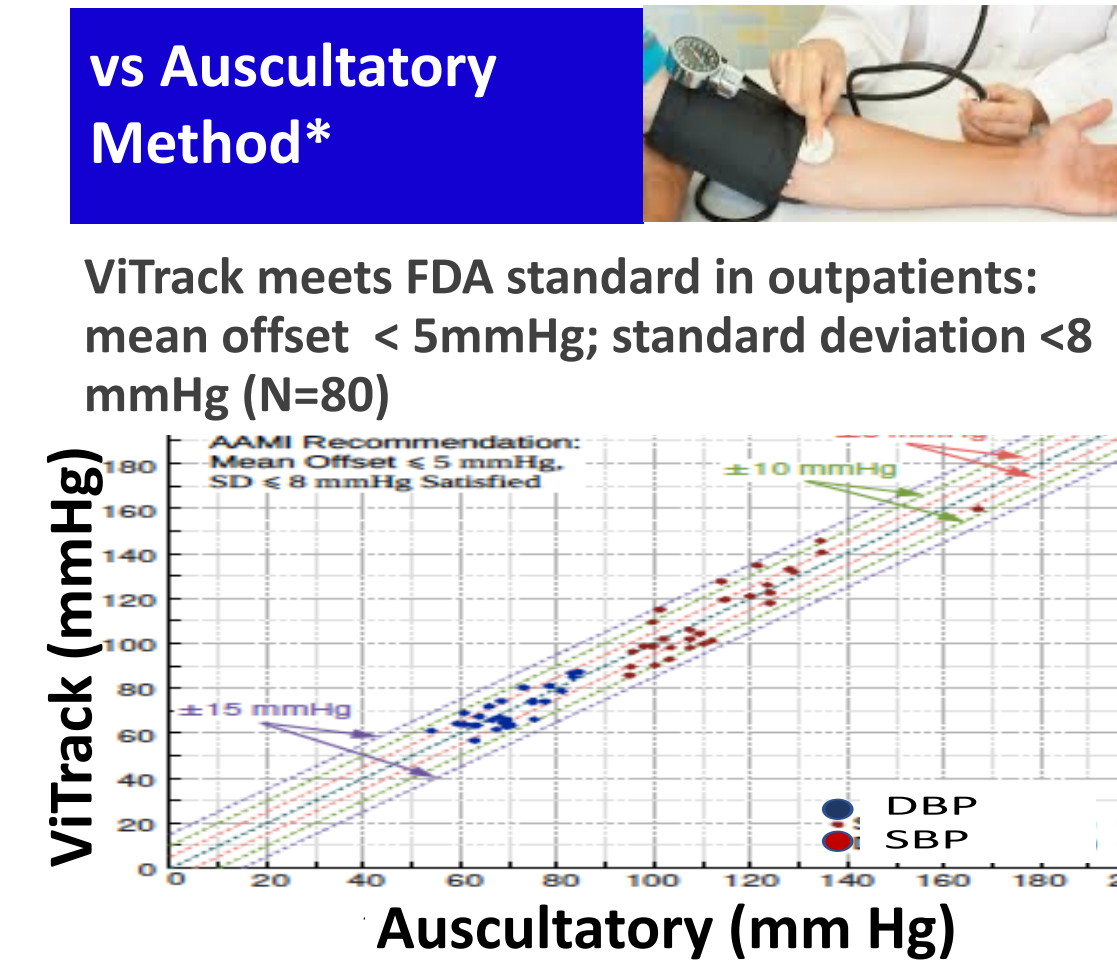
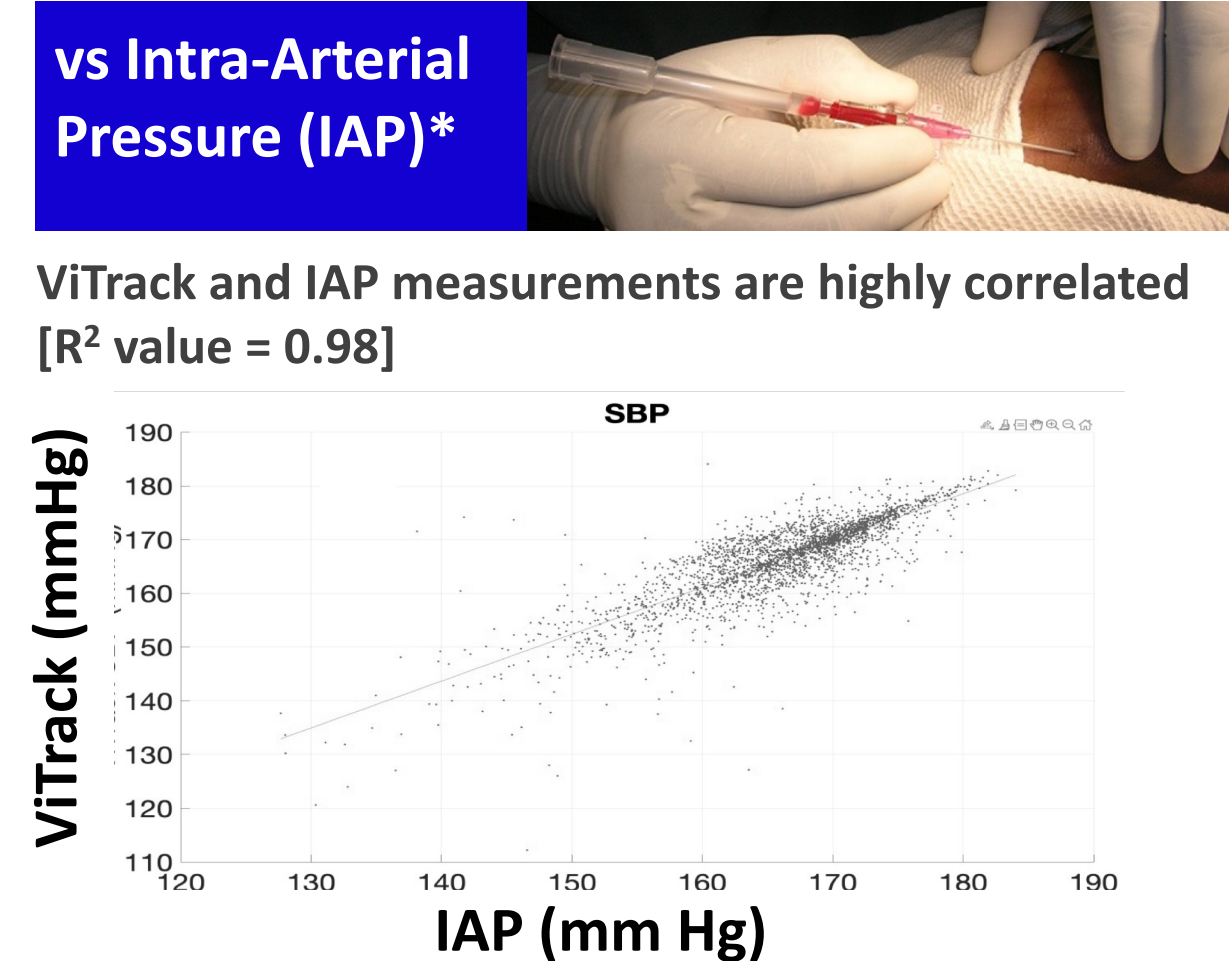
## ViTrack™ Solution

**Wearable: Cuffless and wrist-worn technology that measures BP accurately and continuously**

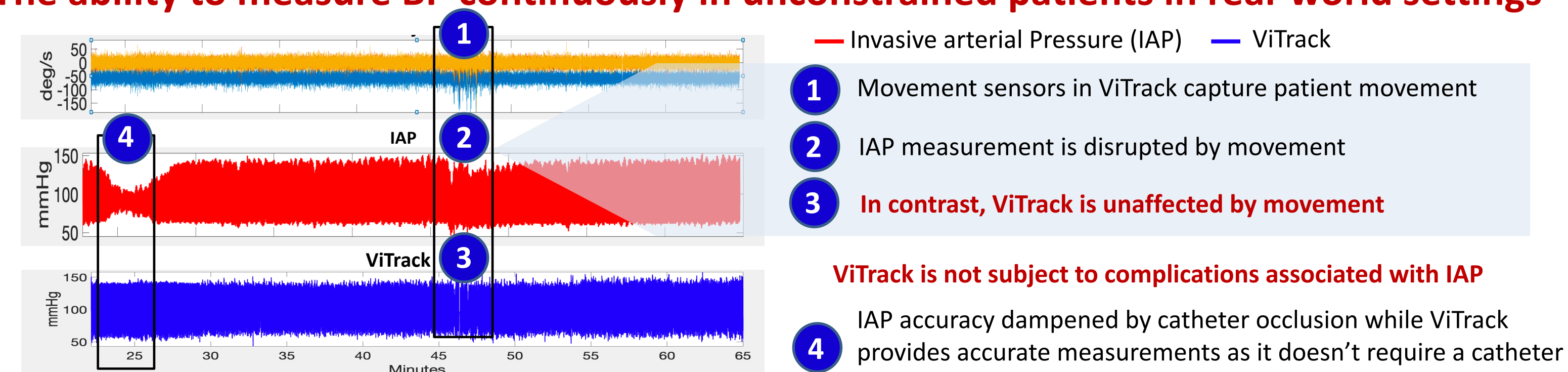


**Complete solution:** Self-calibrating (no need for an external reference) and measures heart rate, respiratory parameters, and beat-to-beat advanced hemodynamic parameters such as cardiac output (CO) and stroke volume (SV)

**In preclinical and clinical studies, meets FDA standards for accuracy**



**ViTrack addresses one of the major issues in BP measurement:  
The ability to measure BP continuously in unconstrained patients in real-world settings**



## Market

	Single Point BP	Continuous BP
Direct Methods	Auscultatory devices*	ViTrack or Invasive arterial pressure devices (IAP)*
Indirect Methods	Oscillometric (Automatic cuff devices)	Indirect methods for continuous BP**

### ViTrack offers unique value:

- As accurate as IAP (FDA gold standard) but non-invasive/non-surgical
- First continuous BP technology:
  - To measure blood pressure independently
  - To automatically quantify and correct for patient movement
- Designed for “real world” use and goes beyond FDA standards

\* FDA gold standard.

\*\* Pulse transit time, volume-clamp method and pulse analysis.

### Hospital +RPM Market

Hardware: \$3.5 billion (Price Target: \$2500)  
Consumables: \$9.8 billion/year (Price Target: \$120)

### Consumer Market

Hardware: \$40 billion (Price Target: \$400)  
Monthly subscription: 15.7 billion/year (Price Target: \$9 per month)

## Acknowledgements

