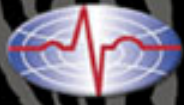




Cardiac Safety Research Consortium
Translational Medicine Meets Critical Path
Jeff Heilbraun, MS
Medifacts International, Inc.

New Horizons of Cardiac Safety Programs:
Do we need "Thorough" Blood Pressure
Studies?

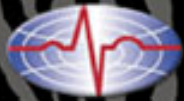




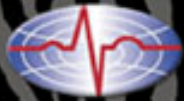
Medifacts
INTERNATIONAL



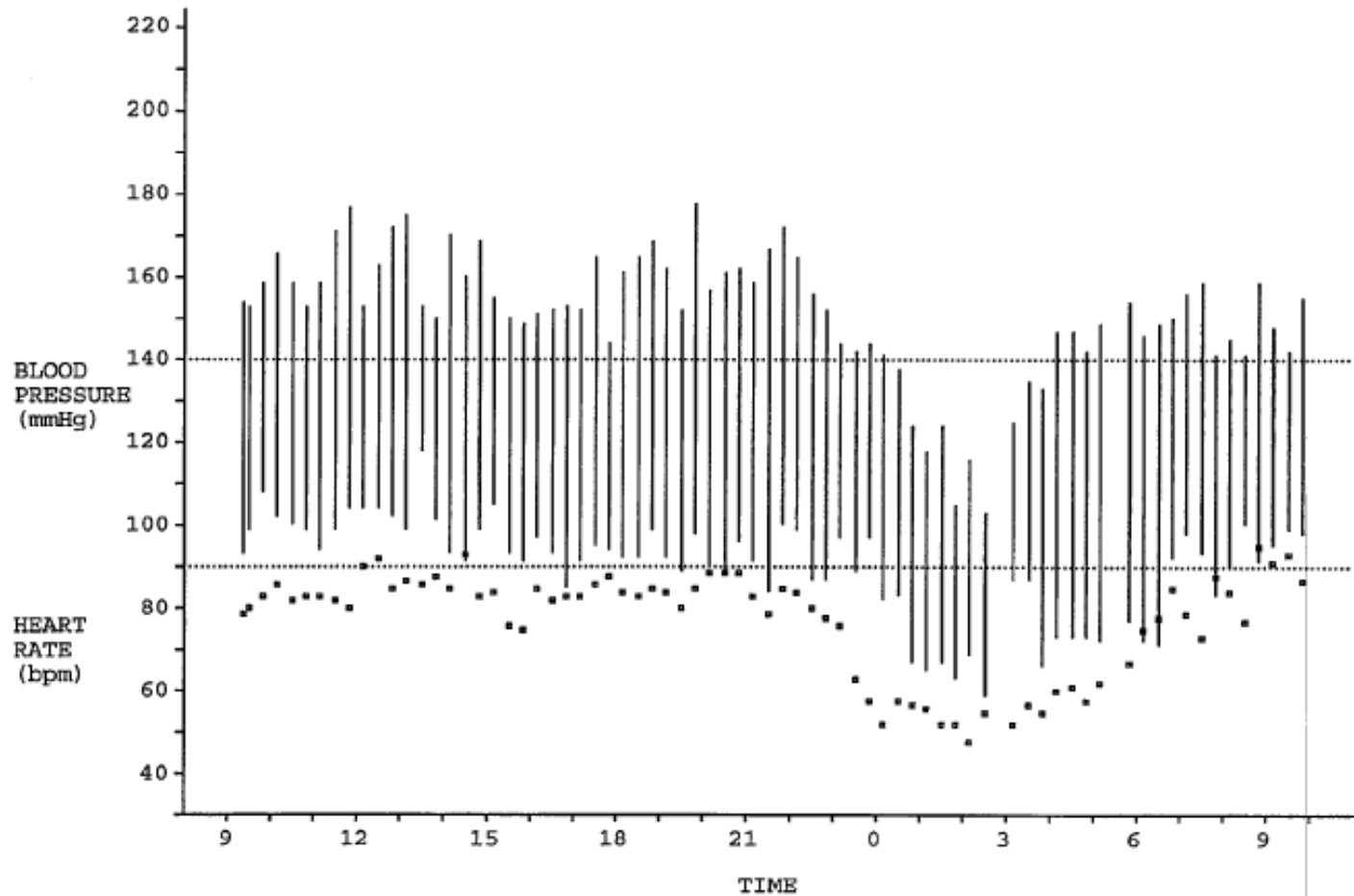
- Is there a need to establish a study focused on defining BP response from a cardiac safety perspective?
- Studies are presently being completed from a BP safety perspective in oncology, CNS, Pain management and other indications
- Study compound may generate a hypotensive or hypertensive response



- Technology – Ambulatory Blood Pressure Monitoring (ABPM)
- Patient based/therapeutic focused trials
- Phase I cross over model
 - Dose response profile
 - PK
 - Circadian variability



RAW BLOOD PRESSURE DATA GRAPH





- Defining specific BP response pathway (RAS vs neurological vs vascular)
- Defining BP response threshold (safety) for both a hypertensive and hypotensive response
- Safety classification of acute versus long term exposure
- BP Methodology Auscultatory versus Oscillometry & Manual versus Automated

- Short term (1-3 years)
 - Define safety threshold for change in BP associated with cardiac safety risk
 - Generate case study based on existing/completed study
 - Is there a positive control compound with sufficient and clear BP response
 - Insight from population and therapeutic working groups

- Long term (3-5 years)
 - Develop guidelines and paradigm for overall BP safety
 - Healthy volunteer
 - Patient-therapeutic population
 - Establish cross biomarker safety profile