Brent Morgan, MD

* Name / Occupation
* Current Titles & Affiliations
  + Associate Medical Director – Georgia Poison Center
  + Associate Professor – Emergency Medicine – Emory
  + Director - Medical Toxicology Residency – Emory & CDC
  + Director – Georgia Occupational & Environmental Toxicology Clinic – Grady
  + Attending Physician – Grady and Emory
  + Guest Researcher – CDC
  + Medical Toxicology Consultant – CHOA
* What is Toxicology
  + Would ETOH and its effects on the body be contained within the field of toxicology
* Education
  + B.S. - Baldwin-Wallace College (1987)
  + M.D. – Ohio State University (1991)
* Post-Graduate Training
  + Emergency Medicine Residence – Cleveland, OH (1991-94)
  + Medical Toxicology Fellowship – CMC (1994-96)
* Licensure & board Certification
  + State Medical Board – Ohio (1992-94)
  + North Carolina (1994-96)
  + Georgia (1996-Current)
* Committee Memberships
  + National
    - American College of Emergency Physicians – Toxicology Section
      * Chair (2006-08)
      * Chair Elect (2005)
      * Secretary (2001-2003)
      * Editor Toxicology Newsletter (2001-2003)
    - Advanced Hazmat Life Support (SE US Director) (2000-current)
  + Regional
    - Georgia College of ER Physicians
      * Board of Directors (2000-2006)
    - Other regional affiliations
* Editorships & Editorial Boards
  + AAEM Toxicology Handbook
    - Associate Editor (2011)
    - Associate Editor (2006)
* Manuscript Reviewer
* Honors and Awards
* Society memberships
  + American College of Medical Toxicology
  + American Academy of Clinical Toxicology
  + American College of Emergency Physicians
  + Georgia College of Emergency Physicians
* Participation in National/International Conferences
  + Course director for many over the years
* Continuing Education
  + Participate and teach
* Published Works
  + Scholarly Journals
  + Textbooks
* Teaching Experience
  + Discuss experience
* During career, studied and familiar with ETOH and physiological effects on body
* Previously Testified
  + Previously been declared an expert
  + How many times (2)

**TENDER AS EXPERT: TOXICOLOGY AND EMERGENCY MEDICINE.**

* What is ETOH (alcohol)
* In general, how does alcohol consumption affect the body physically
* In general, how can alcohol affect the brain
* Increased alcohol, increased effects
* How is alcohol processed through the body
* Why does a person feel intoxicated
* How is the level of alcohol measured by professionals
  + Blood
  + Breathalyzer
* In clinical setting, blood
* What does the amount of alcohol in the blood tell us
* How quickly does our body process alcohol
  + metabolize
* Describe the different levels of intoxication and their effects on the body
  + Ambulation - explain
  + Decreased reflexes - explain
  + Decreased muscle tone – explain
  + Vomiting
    - Vomiting doesn’t decrease level of ETOH already in blood. Only expels alcohol in stomach not yet absorbed
  + Others
* Intoxication effects “going up” vs “going down”
  + More intoxicated on the way up, even measuring same BAC
* On the brain
  + Slurred speech
  + Spinning
  + Affects consciousness
    - At high levels – not just sleepy
  + on a person’s ability to make judgments
    - Explain what alcohol does to areas of the brain at high levels
* Factors that might affect intoxication
  + Size of person
  + Food in stomach
    - How
    - Lack of meat / fat
    - Carbs – don’t do much to stop absorbtion
  + Heavy drinker vs. non-heavy drinker
  + Type of alcohol
    - Proof
  + Other
* What is considered a “high” level of alcohol
  + Do different people experience levels differently
  + Can same person experience same level differently at different times

**Victim’s Records**

* Retained by DA office to review materials
* Purpose of review
  + Expert opinion on victim’s capacity to consent and level of intoxication at time of alleged assault
* Received the following materials:
  + Medical Records for Victim from Piedmont Hospital (4/6/2013)
  + Reports from GBI, including toxicology reports
  + Police reports from Atlanta Police Department
  + Text messages from Victim and Defendant
  + Video Surveillance from Taco Mac restaurant
    - 3 relevant video clips
  + Audiotaped interviews with
    - Victim and Witnesses
* Review of Medical Records:
  + What did you look for in records
  + Any medications Victim’s on affect analysis?
  + Alcohol level
    - 3:28am – TIME OF DRAW
  + Level at 3:28am
    - 88 mg/dL
  + What level of intoxication is that
    - Can’t drive car
* From review of other materials, this draw is 6+ hours later
* Determination of alcohol level at time of sexual contact
  + Explain calculations
    - How come up with this
  + Explain factors that affect calculation
    - Knowledge about victim’s food consumption that day
    - Quicker onset of intoxication
* What is estimated level at time of sexual contact
  + **over 200 mg/dL**
  + **Coma begins to set in at this level for casual drinkers**
* Weight of Victim: 116 lbs from medical records
* 6 drinks would get her to that level
  + 200 mg/dL
* From Reports – what victim drank throughout day
  + 4 drinks
  + but last drink was extremely high proof – Bob Marley
    - researched, and to be made with 150 proof rum
* From Reports - what victim ate throughout day
  + Carbs only
* What was reported consistent with BAC levels
* Explain physiological effects at this level:
  + Inability to properly ambulate
  + Slurred speech
  + Intermittent consciousness
  + Vomiting
  + Decreased reflexes
  + Decreased muscle tone
    - Feeling like couldn’t move
* Physiological effects would be apparent to other people
  + Intermittent consciousness
  + Slurred speech
  + Problems walking
* Would not quickly regain sobriety
  + How would alcohol have affected her as levels decreased
* Signs of mental status improving consistent with timeline provided by Ms. Bridges
* Explain effects on brain
  + Decision making center of the brain
* Ability to consent to sexual intercourse
  + - *OCGA §24-7-704: testimony in the form of an opinion or inference shall not be objectionable because it embraces an ultimate issue.*
* Observations from video clips
  + Consistent with someone who had high alcohol level in system
* Witness accounts also consistent with medical findings

D said vt took pill

* But if took pill, wouldn’t snap out of it when got to McDonalds
* Pill effects would be around longer