

Saginaw - Tuscola Pre-Hospital Blood Administration: The Patients



Noel Wagner, MD, NRP
Medical Director



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Bill Weaver, EMT-P I/C
EMS Coordinator

Rob Warnemuende, MBA, EMT-P
EMS Manager



Disclosures

- **No conflicts**



40's Male - GSW

- GSW head, face, shoulder
- Also dragged under a car
- Massive blood loss on scene
- 128/80 P 113
- 117/64 P 117
- Scene management issues *
- NO

40's Male - Car vs Motorcycle

- High speed
- 120/47
- P 89
- Crushed L leg, open skull fracture, open facial fractures, ?? Pelvis
- 145/64 P 145 *
- NO

80's Female - GI Bleed

- GI bleed, hx Gastric ulcer bleed
- 62/37 P 86
- 56/28 P 85
- TXA post-radio
- EBL: 2 liters
- 97/42 EtCO2:14 *
- YES

30's Male - Stabbing

- ~ 7 stab wounds to back
- 86/54 P 90
- Diaphoretic, tachypneic, pale
- TXA *
- YES

60's Male – Cardiac Arrest

- L SFA stent, in rehab, ruptured
- Massive blood loss, apixiban
- Awake, No radial pulse, P 96
- 47/42
- TXA *
- YES
- Post transfusion: 100/79

60's Male - Stabbing

- Stab to head and ear
- Unsuccessful pressure dressing
- Massive blood loss
- 108/91 P 126
- TXA *
- YES

50's Male - GI Bleed

- Hematemesis, Hx: Varicies
- Massive blood loss in house/BR
- 0/0 P 0
- TXA post-radio
- ROSC: 67/37 P 115 *
- YES
- 134/102

60's Male – Leg wound

- Varicose Vein rupture, blood thinners
- 50/26 P 95
- TXA and tourniquet *
- YES
- Post transfusion: 101/53
 - ↑ Pain ↑ L of C

30's Male - MVC

- Entrapped w/ engine/dash on pt
- B femurs, abdominal bruising
- 112/56
- TXA, cefazolin
- 92/62/ 87/58 86/62
- 59/29 P 99 *
- YES

Teenage Male - MVC

- High speed
- Pinned under dash, awake and talking
- 136/88
- P 90
- Crew requested on mechanism *
- NO

70's Female - GI Bleed

- Hemetemesis
- 102/68 P 118
- 82/49 P 89
- TXA post-radio
- Supervisor on scene:
 - 117/73 P 108 *
- NO

60's Female – Car vs Train

- Hit a train, went under
- Engine in passenger compartment
- Multiple injuries, unresponsive
- “Strong carotid pulse”
- Arrested on extrication
- TXA *
- YES

70's Male – Urinary Bleed

- Multiple syncopal episodes
- Noted blood in urine
- TURP 1 week prior
- 79/50 P??
- 95/63
- 128/75 with fluid bolus *
- NO

30's Male - GSW

- **GSW B cheeks, B upper arms, R lower leg, L inguinal area**
- **Diaphoretic, decreasing responsiveness**
- **BP: UTO P 141**
- **TXA ***
- **YES**
- **MCI: GSW neck/thigh in arrest**

20's Male - GSW

- GSW L hip, L ankle
- Driving on I-75
- 95/66 P 134
- TXA, cefazolin
- 127/74 P 82
- 114/96 P 88 *
- NO

70's Male - GI Bleed

- Rectal bleed x 3 weeks
- BP not palpable
- Large pool blood on floor
- 92/58 P 103
- TXA post radio
- 85/39 P 125 *
- YES

90's Female - GI Bleed

- Rectal bleed
- 70/44 P 154 EtCO2 21
- “Clot larger than a grapefruit”
- TXA post-radio *
- YES
- Post transfusion: 147/25 P103

70's Male - GI Bleed

- Coffee ground emesis
- 68/47 P 109
- 60/41 P 108
- TXA missed *
- YES
- Post transfusion: 89/54

80's Female - GI Bleed

- Coffee ground emesis & stool
- Cyanotic, pale
- 99/60 P 142
- TXA post-radio
- 83/52 EtCO2 23 *
- YES

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EMS PHYSICIAN

SAGINAW - TUSCOLA

MEDICAL CONTROL

AUTHORITY

Brown & Brown
INSURANCE

CMU | Health

Medical Direction

- Full time medical director
 - Covenant
 - MyMichigan Saginaw
 - Aspire/Hills and Dales
 - McLaren Caro Regional
- 24 hour medical direction
- Scene Response
- Beside Clinical Teaching

