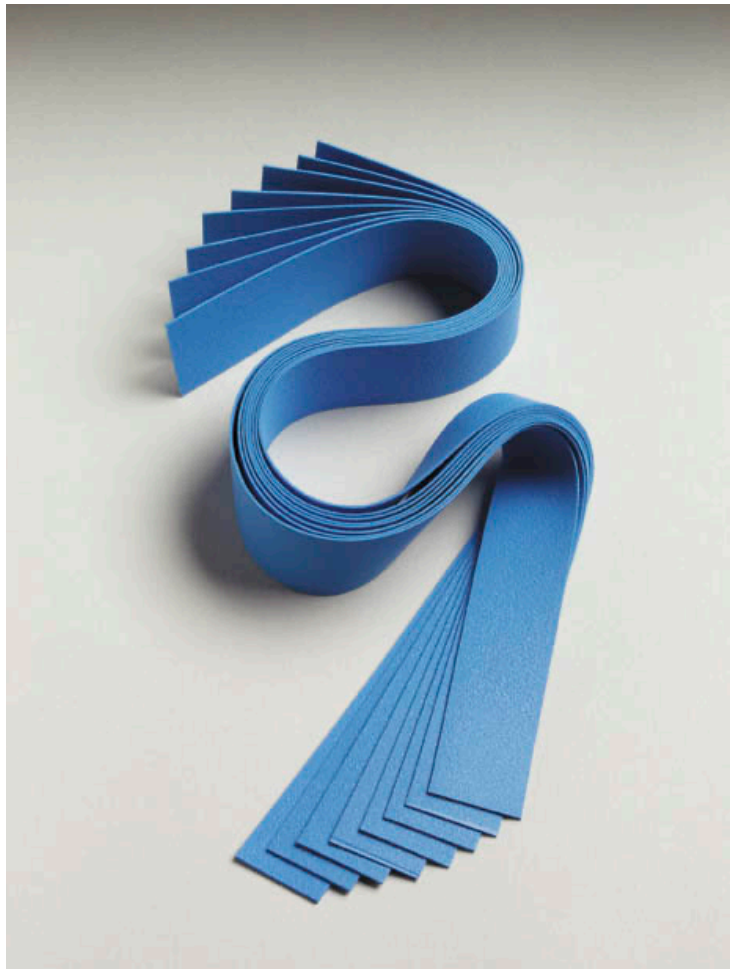
VEIN Access TECHNOLOGIES

VATmethod.com
618-259-7781

The Tourniquet Replacement

veniCuFF™



Why replace the Tourniquet?

- The Tourniquet was ***DESIGNED*** to *prevent bleeding to death*.
- It NEVER was designed to *'dilate a vein'.*
- The Tourniquet forces an OVER DISTENTION of the vein.
- With consequences – SIDE EFFECTS.

Wrong tool for the venipuncture procedure – any venipuncture!

Why is over distention of the vein a problem?

Anatomically – ALL structures have structural limits – including the vein.

Disturb the structure – disturb the function.

Over distending the vein THINS the vein wall, venule wall, & venous capillary membrane …

Leakage occurs…

This is called an INFILTRATE in Nursing and Radiology

Fluids, Meds, and/or Contrast is now leaking into the SQ tissue –

not good.

Infiltration results in HEMOCONCENTRATION in the Laboratory Medicine

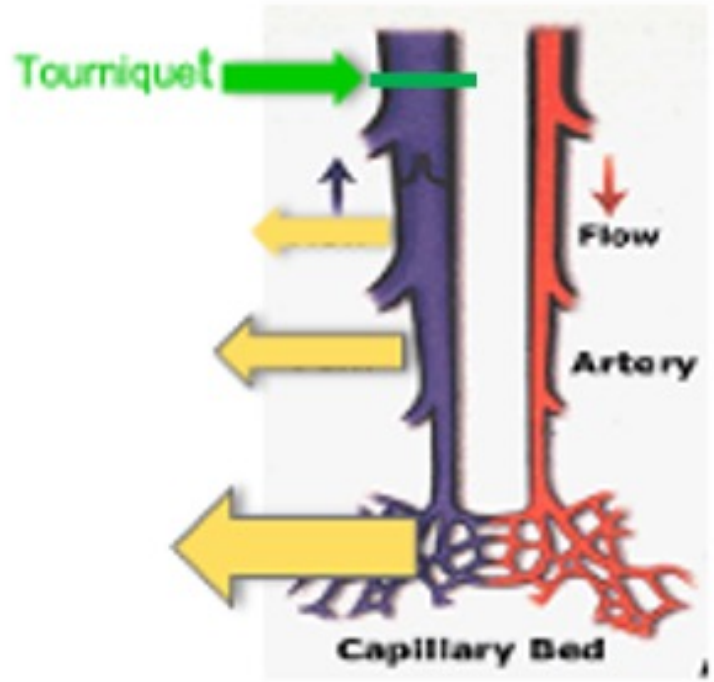
Concentrating the sample of blood FALSELY ELEVATES lab values – not good.

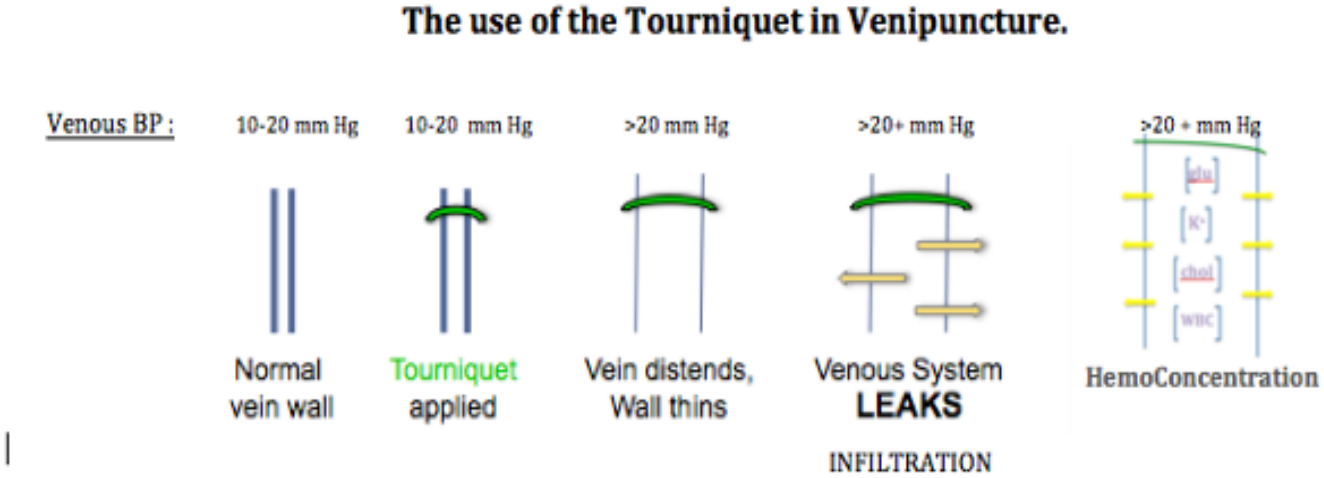
The Science Behind The Skill of Vein Access©….

Everything VAT teaches is built upon SCIENCE: Anatomy, Physiology, Chemistry, Physics, Math, & Engineering – STEM.

- ✓ Gray's Anatomy: Vein, Venule, v-Capillary Membrane
- ✓ Starling's Equilibrium – Venous System Physiology
- ✓ Biomedical Engineering

BP Cuff & the Tourniquet disturb *Starling's Equilibrium*





Starling's *dis*Equilibrium

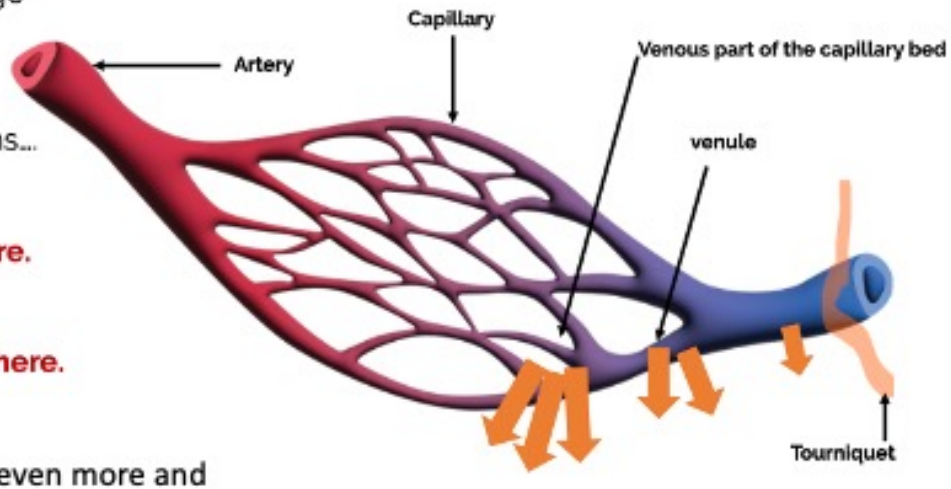
- The split second that tight tourniquet or
- that pumped-up BP cuff is applied,
- leakage from the venous system begins!

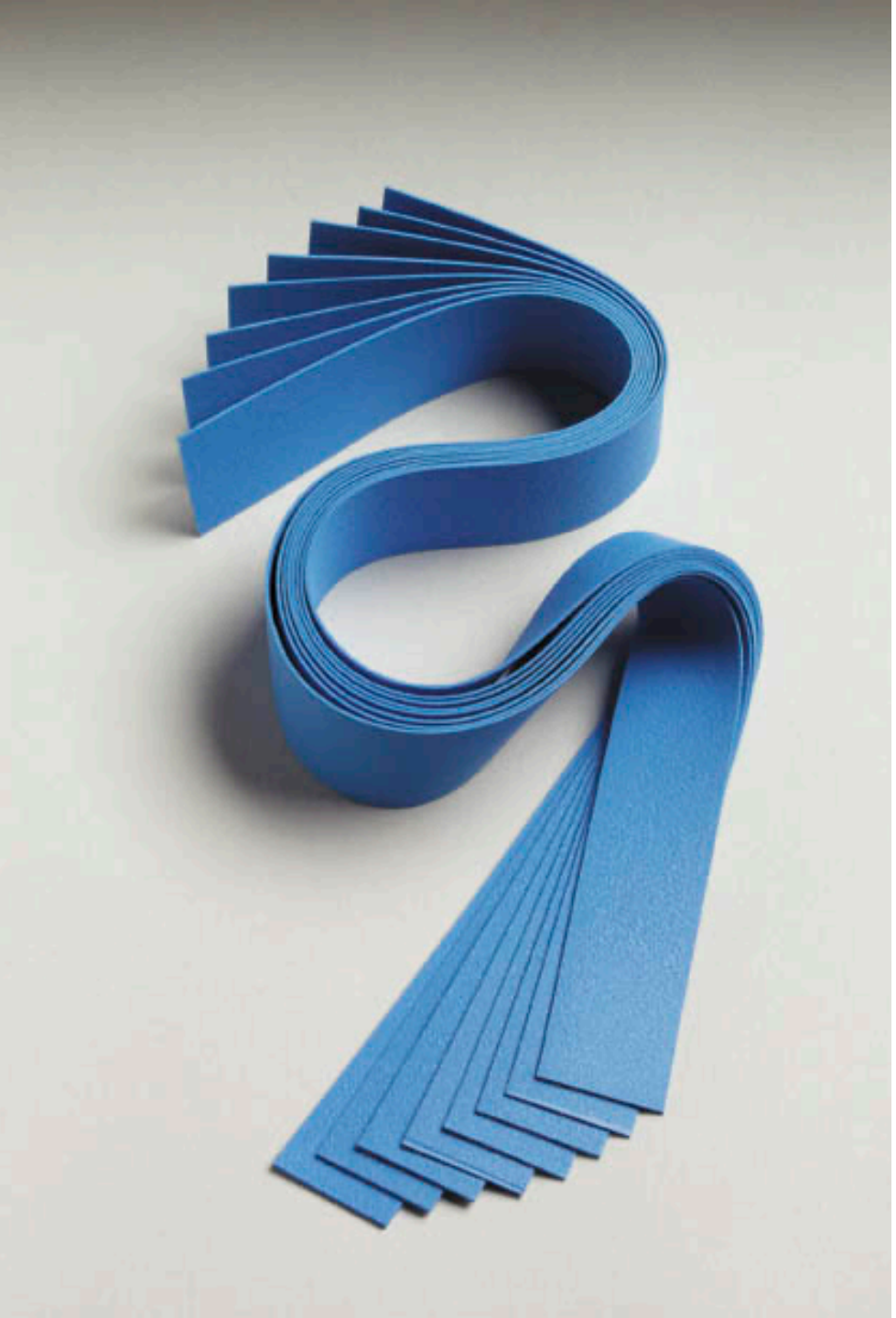
BP Cuff & the Tourniquet disturb Starling's Equilibrium

Vein system leakage

It must be defined in detail here, where the leakage occurs..

1. When the Tourniquet is applied, leakage begins...
2. The vein wall thins – **some leakage occurs here.**
3. The venule wall thins – **more leakage occurs here.**
4. And the tissue-thin capillary membrane thins even more and – **profuse leakage occurs here.**





*dis*Equilibrium from a Tourniquet is a **PROBLEM!**

- ✓In IVs
- ✓*'Phlebotomy'* blood draws
- ✓Injections of Contrast

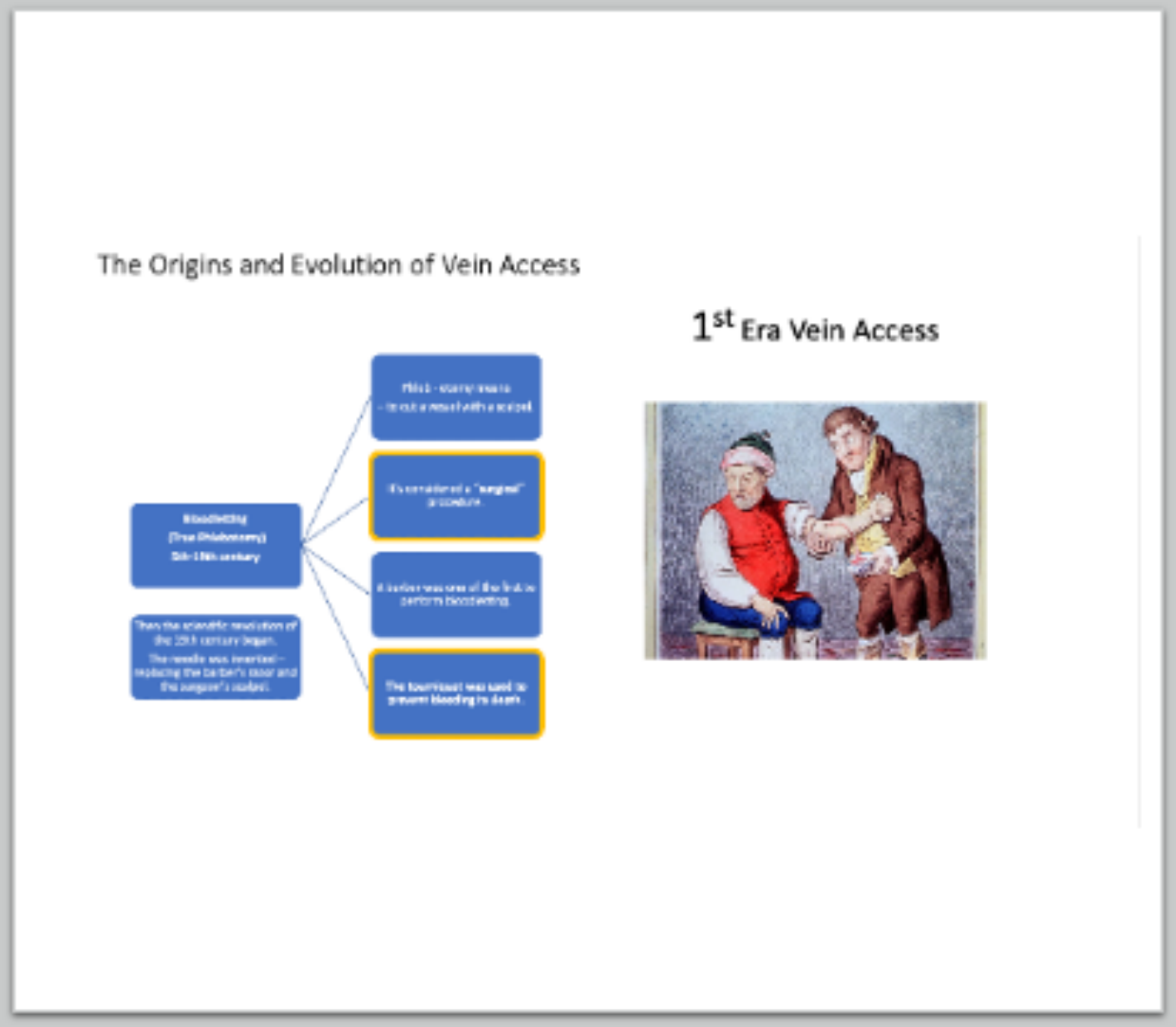
✓Plasma Donation / Blood Donation / Factor VIII injections

Therefore, the Tourniquet cannot be used…..

Besides *Starling's disEquilibrium,*

the tourniquet was designed to ***prevent bleeding to death.***

It NEVER was designed to 'dilate a vein'.



OK, can’t use a tourniquet….now what?

Do we really need to **‘dilate a vein’?**

- To Locate a vein?
- To insert a needle into that vein?
- To draw blood out?
- To infuse fluids, meds, or contrast?

We definitely don’t need a Tourniquet to *prevent bleeding to death!*

No risk of bleeding to death with a venipuncture!

Do we need to ‘dilate a vein’ to locate a vein”?

- No
- There is a new VAT palpation technique – 21cVA Technique – for Locating, Dilating, and Grading veins….
- That’s another story, another slide set….

Do we even need *anything* on the arm for a venipuncture?

Technically…….

- about 10-15% of the patient population needs external vein/venous support.
- But since you don't know which patient belongs in that 10-15% category
- Apply the veniCuff every time –
- And for those who don't need it - **no pain, no injury, no side effects**
- For those who do need it -**no pain, no injury, no side effects** – just a patent vein and normal venous function

What, if anything, do we really need, on the arm, for venipuncture?

The *veniCuff* SUPPORTS the vein & venous system

(the Tourniquet DISTORTS)

- The vein has an average BP of 10-20 mm Hg pressure.
- The *veniCuff* inflates to 20 mm Hg pressure - SUPPORTING THE VEIN.
- Maintaining the Structure & the Function
- And for those who are hypovolemic or hypo-venous-tensive, or easily vasoconstrict, this externally applied pressure will maintain a patent vein.

Applied ½ way between the shoulder and the antecubital line- always….

No pain,
No injury,
No side effects.....

Pediatric Patients will love this tool….

It’s just like a water wing

- Comfortable
- and Safe

Not anything like that mean tourniquet.

Nobody likes change…

but advances do occur!

Just because the Tourniquet has been used…

…in ’vein access’ for the last 1600+ years doesn’t mean it should continue to be used.

That ‘no science’ mentality is how bloodletting lasted 1400 years!

It’s time to ‘STEM’ the venipuncture procedure.

VATmethod:21cVA Technique & veniCuff

When you use the new technique for Locating, Dilating, Grading and Accessing veins, along with the veniCuff – venipuncture improves.

2 Terminal Drive, Suite 1
East Alton, IL 62024
618-259-7781
VATmethod.com
STEM21cVA.com

Consists of:

1. Detachable Cuff – reusable, kit comes with 5 cuffs.
2. The Inflation/pressure control piece – can be detached from the cuff and immediately attached to a new cuff – reusable.

Pricing

This is not yet sold on the market – but the estimated purchase price is $35.00 per unit: consisting of the above.

Yes, the Tourniquet cost pennies, literally – compared to the cost of the veniCuff.
However, the cost of all the CCIFs that the tourniquet causes cannot begin to compare to the veniCuff.

LET'S TALK.....

M. GAIL STOTLER