



ECMO Center

How POCT is Used with Our Population

Jim Connelly, RRT-NPS, FLSO
Manager, ECMO Center



What is ECMO?



- Extracorporeal Membrane Oxygenation (ECMO)
- A temporary modified heart-lung bypass technique used to treat reversible cardiopulmonary failure that is no longer responsive to maximal conventional therapy.
- Life Support technology

What Happens Prior to ECMO Initiation?

- Patient Arrives: ED, Transport, Operating Room
- Admitted to an Intensive Care Unit
 - Admission Labs (all STAT, of course)
 - Type and Screen
 - Coagulation Panel
 - Chemistry Panel
 - Hematology Panel
 - Blood Cultures
 - Blood Gases w/ lactate, iCA++
 - Radiology Imaging- CXR
 - **ECMO Candidacy Determined**



Who Needs ECMO?

Respiratory failure

- Failure to respond to maximal therapy
- Failure to improve despite prolonged maximal therapy (> 7 days)
- Acute deterioration

Cardiac disease

- Failure to wean from Cardiac Pulmonary Bypass
- Low output syndrome
- Cardiac arrest

ECMO Activation, Big Deal or Not?

- Attending Physician, Surgical Attending agree and activate
- Fellows, Residents, FLOCs
- Nursing teams
- Respiratory Care
- Pharmacy
- Security
- Previously mentioned Clinical Labs
- And the ECMO team and/or Perfusion Team

ECMO Activation, Big Deal or Not?

- Attending Physician, Surgical Attending agree and activate
- Fellows, Residents, FLOCs
- Nursing teams

**UNPUBLISHED
TIME/MOTION STUDY
FOUND APPROX. 77 PEOPLE
ARE IN MOTION WHEN
ECMO IS ACTIVATED**

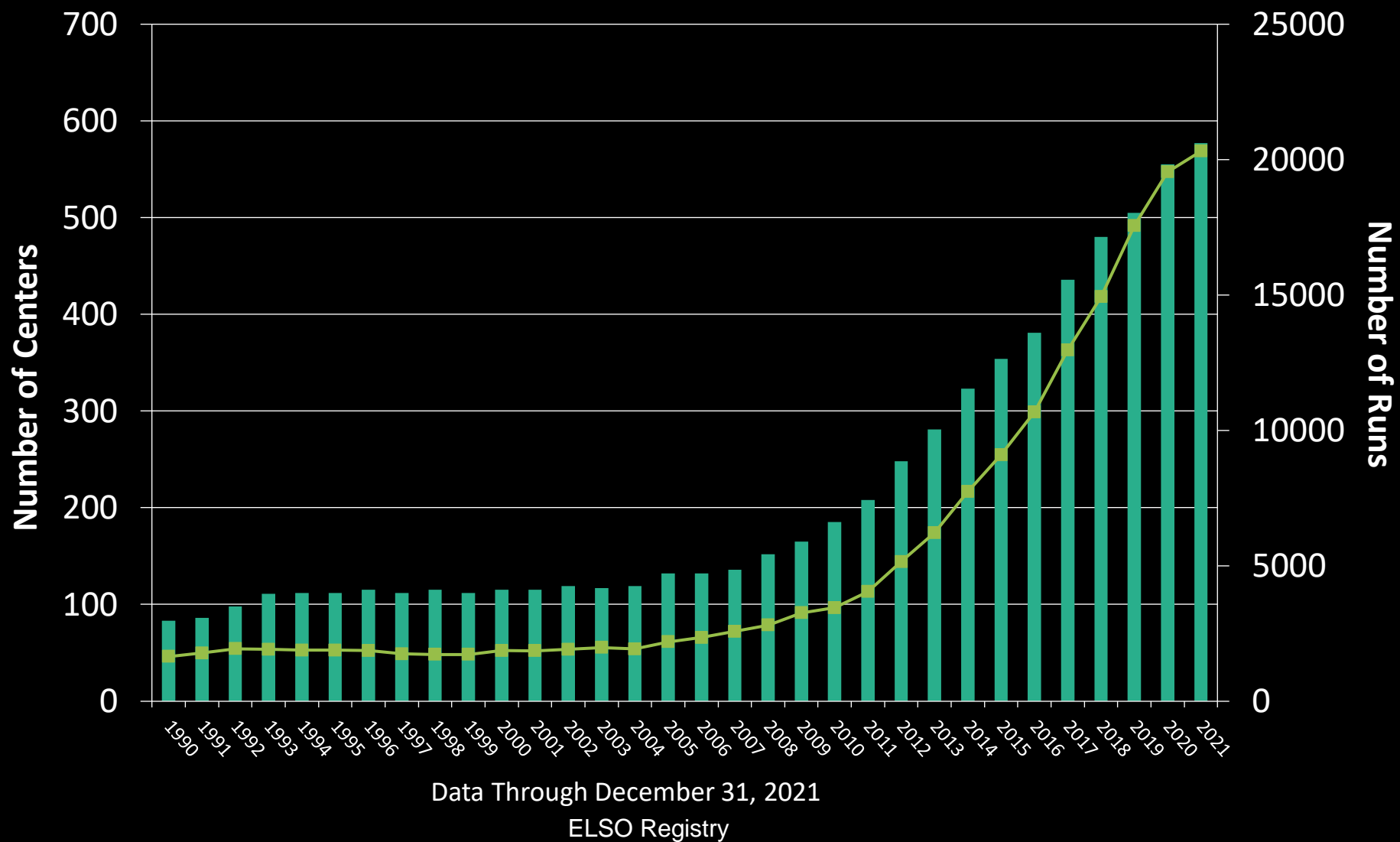
- Respiratory Care
- Pharmacy
- Security
- Previously mentioned Clinical Labs
- And the ECMO team and/or Perfusion Team

ECMO patient population

- **NICU-**
 - Meconium Aspiration Syndrome (MAS)/Cooling
 - Persistent Pulmonary Hypertension Newborn (PPHN)
 - Sepsis/Pertussis
 - Congenital Diaphragmatic Hernia (CDH)/Lung lesions
 - Special Delivery Unit (SDU) standby
- **CICU-**
 - Every postop Cardiac OR
 - Cardiomyopathy
 - Heart transplant
 - ECMO CPR (ECPR)
- **PICU-**
 - Respiratory failure/Adult Respiratory Distress Syndrome (ARDS)
 - Asthma
 - Lung transplant
 - Battery ingestion
 - Unknown witnessed arrest

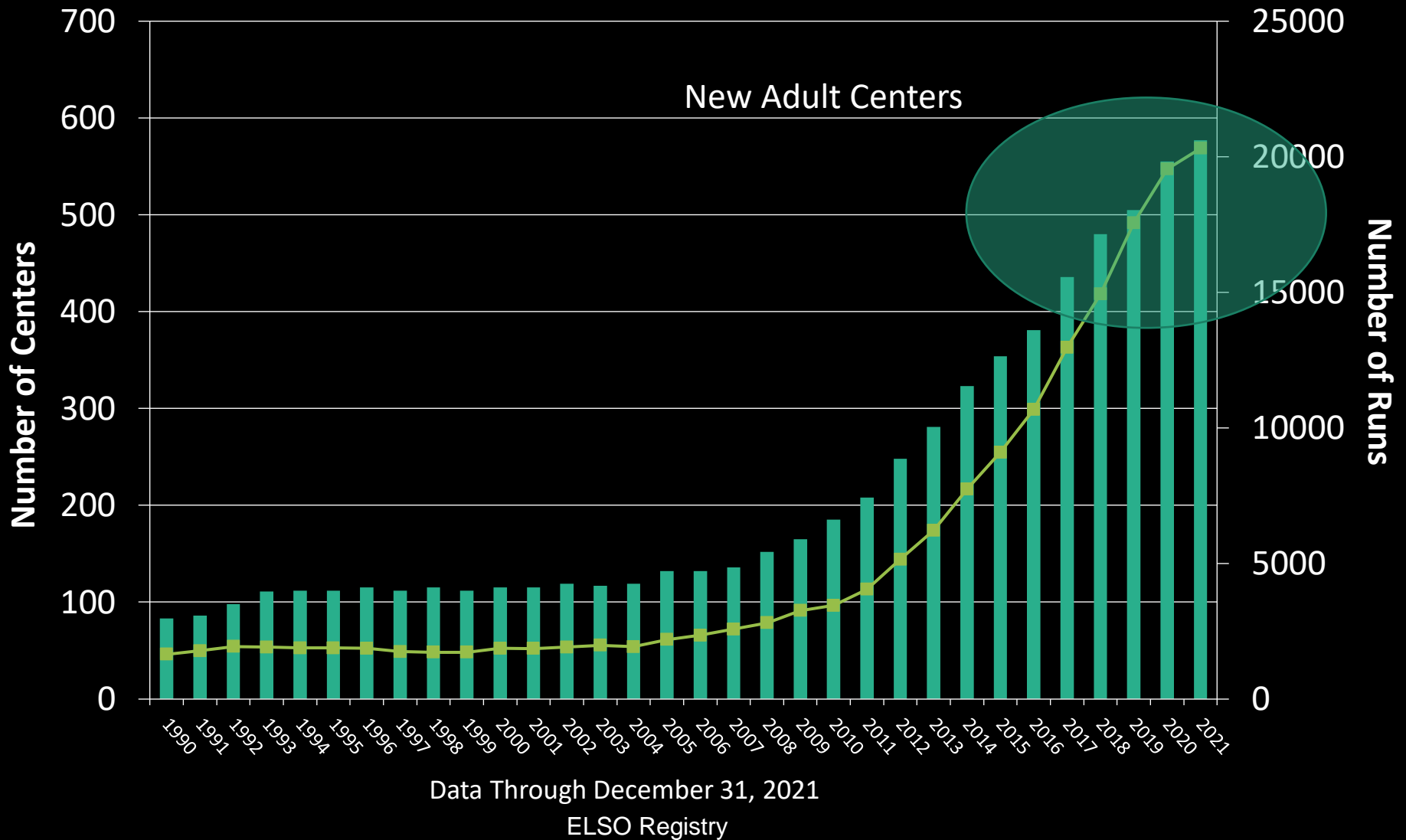


Active ECLS Centers





Active ECLS Centers





Overall Patient Outcomes

	Total Runs	Survived ECLS		Survived to DC	
Adult					
Pulmonary	44,454	29,504	66%	26,019	58%
Cardiac	39,659	23,763	59%	18,027	45%
ECPR	12,125	5,102	42%	3684	30%
Pediatric					
Pulmonary	11,935	8,685	72%	7,295	61%
Cardiac	15,230	11,074	72%	8,293	54%
ECPR	6,182	3,647	58%	2,619	42%
Neonatal					
Pulmonary	34,239	29,972	87%	25,005	73%
Cardiac	10,233	7,085	69%	4,546	44%
ECPR	2,439	17,700	69%	1,042	42%
Total	176,496	120,532	68%	96,530	54%

Data Through December 31, 2021

ELSO Registry



Center Bed Map



Room Team





When is POCT Most Useful?

- Pre-ECMO Use: General Medical Management
- During Priming: Circuit Blood Gases and Clotting Time
- During ECMO:
 - ACT Q2
 - Routine and STAT labs: Q 2 to Q 12
- During ECMO Run, Preparing for Decannulation:
 - Trial Off (POCT is most valuable)
 - Pre-clamping assessment
 - **During clamping: assessment of blood gases Q10"**
 - **Duration of trial less than 30 minutes**
 - Decision to decannulate

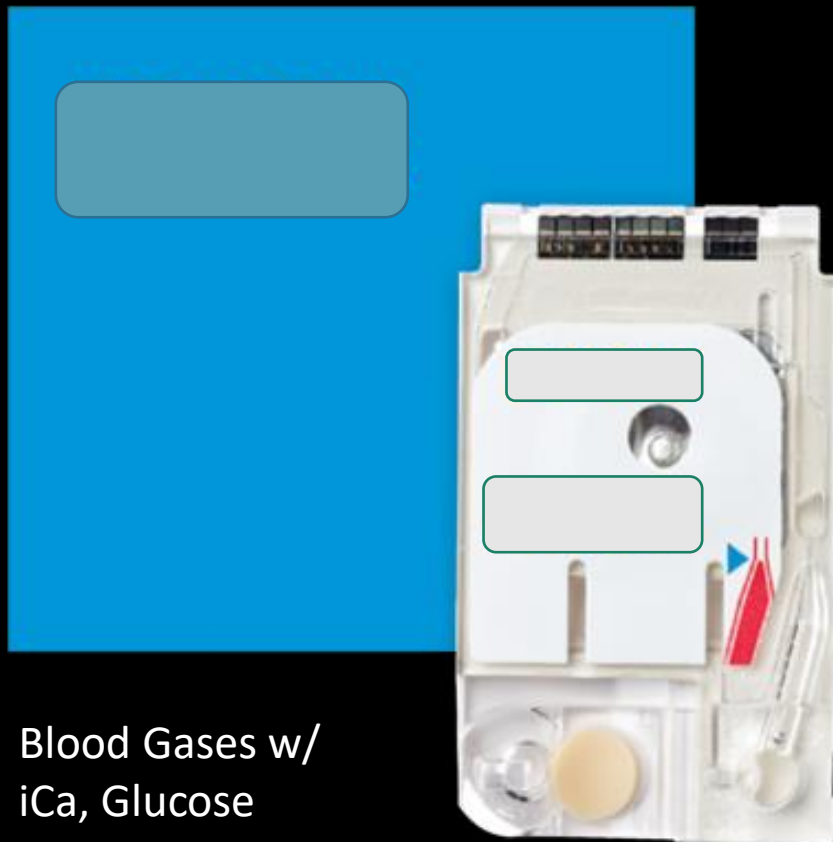


Bedside Blood Gases

Quick Decision-Making



Bedside Blood Gas Analysis for Quicker Decision-Making



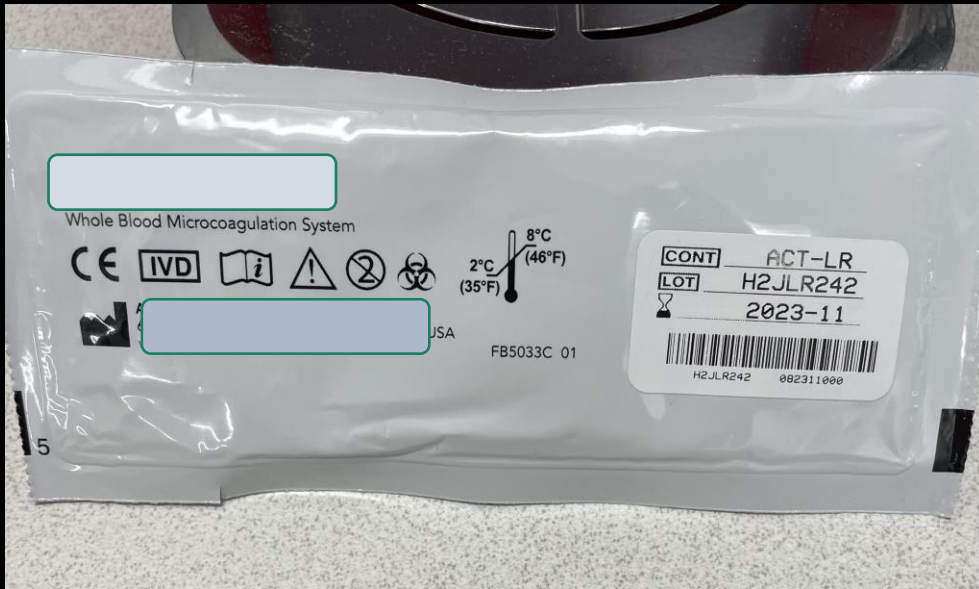
Blood Gases w/
iCa, Glucose



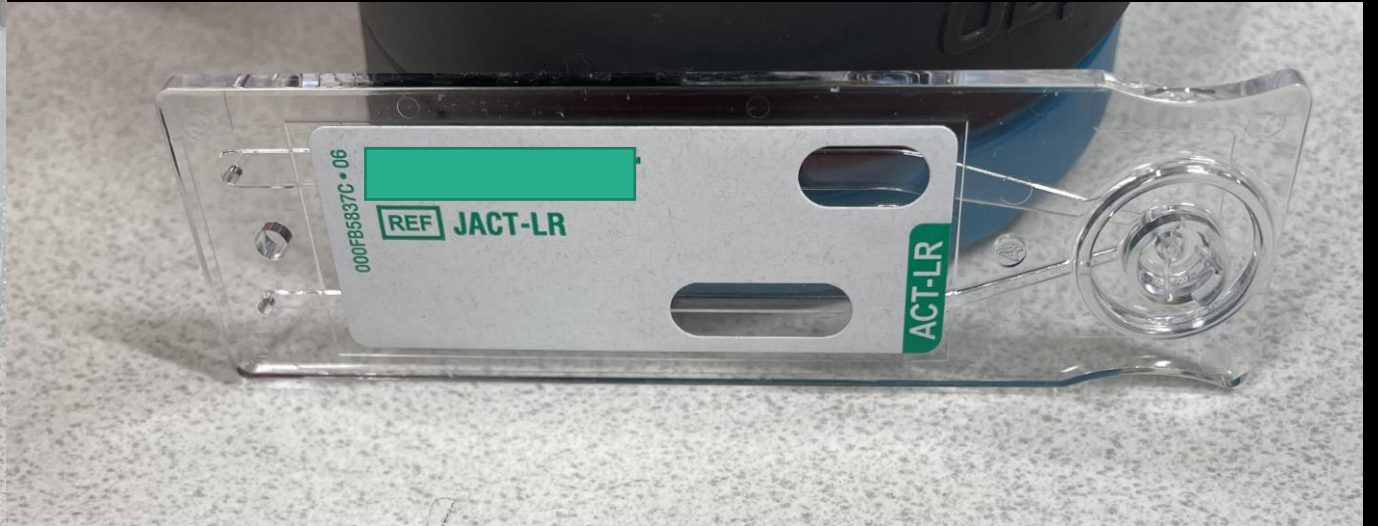
Blood Gases
w/ lactate



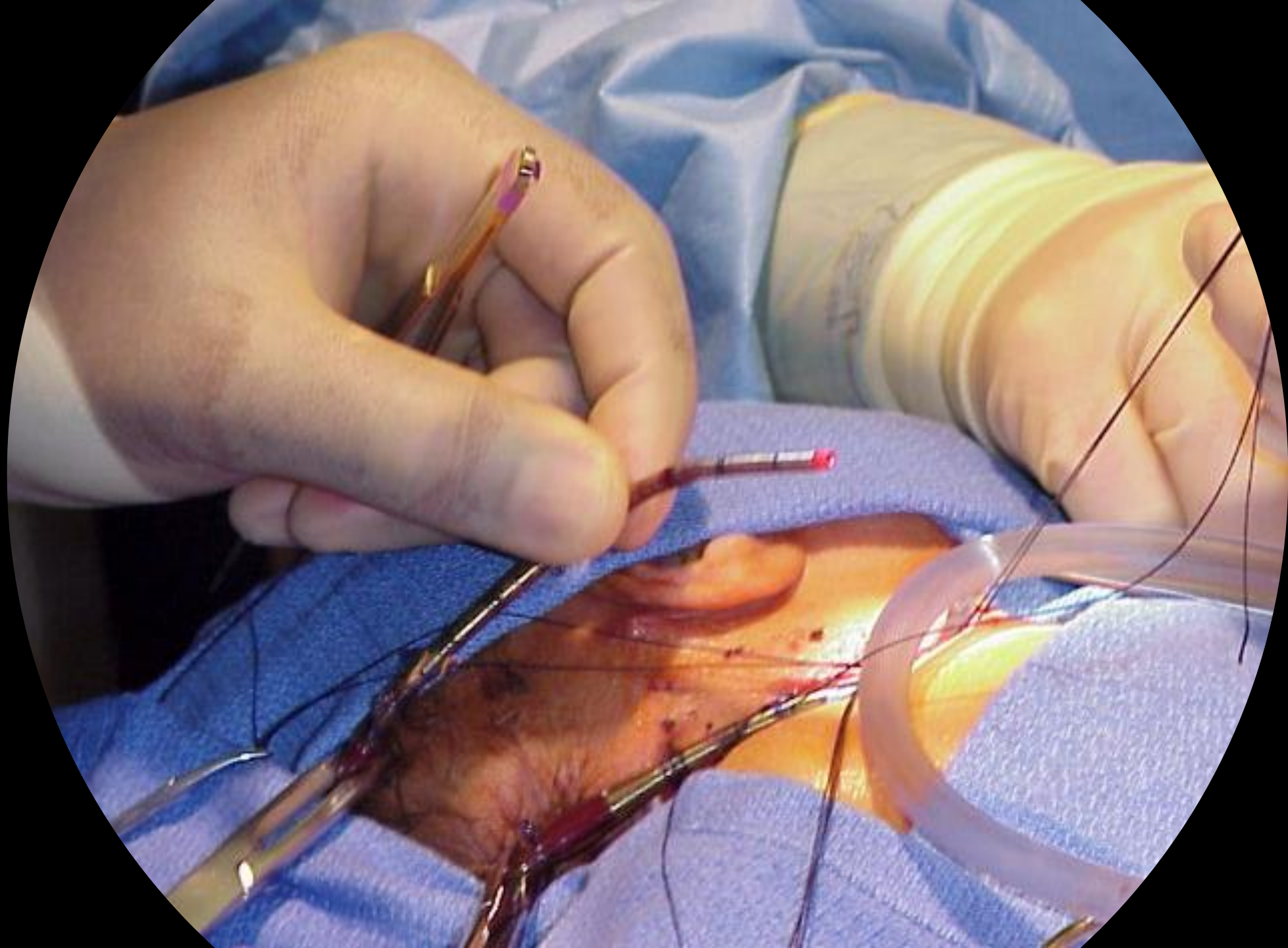
Activated Clotting
Time (ACT) LR



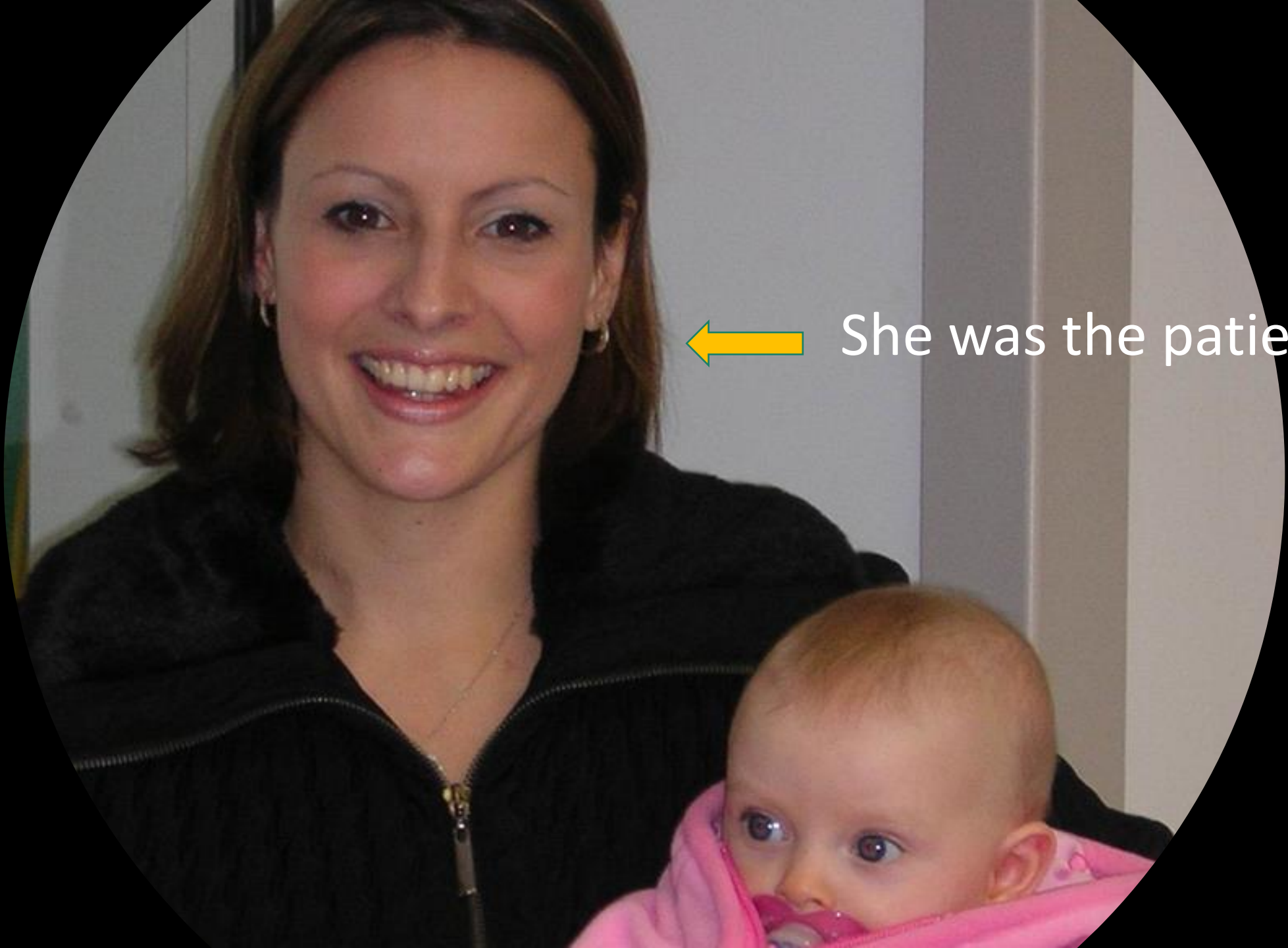
Clinical range in our institution is
160-260 seconds



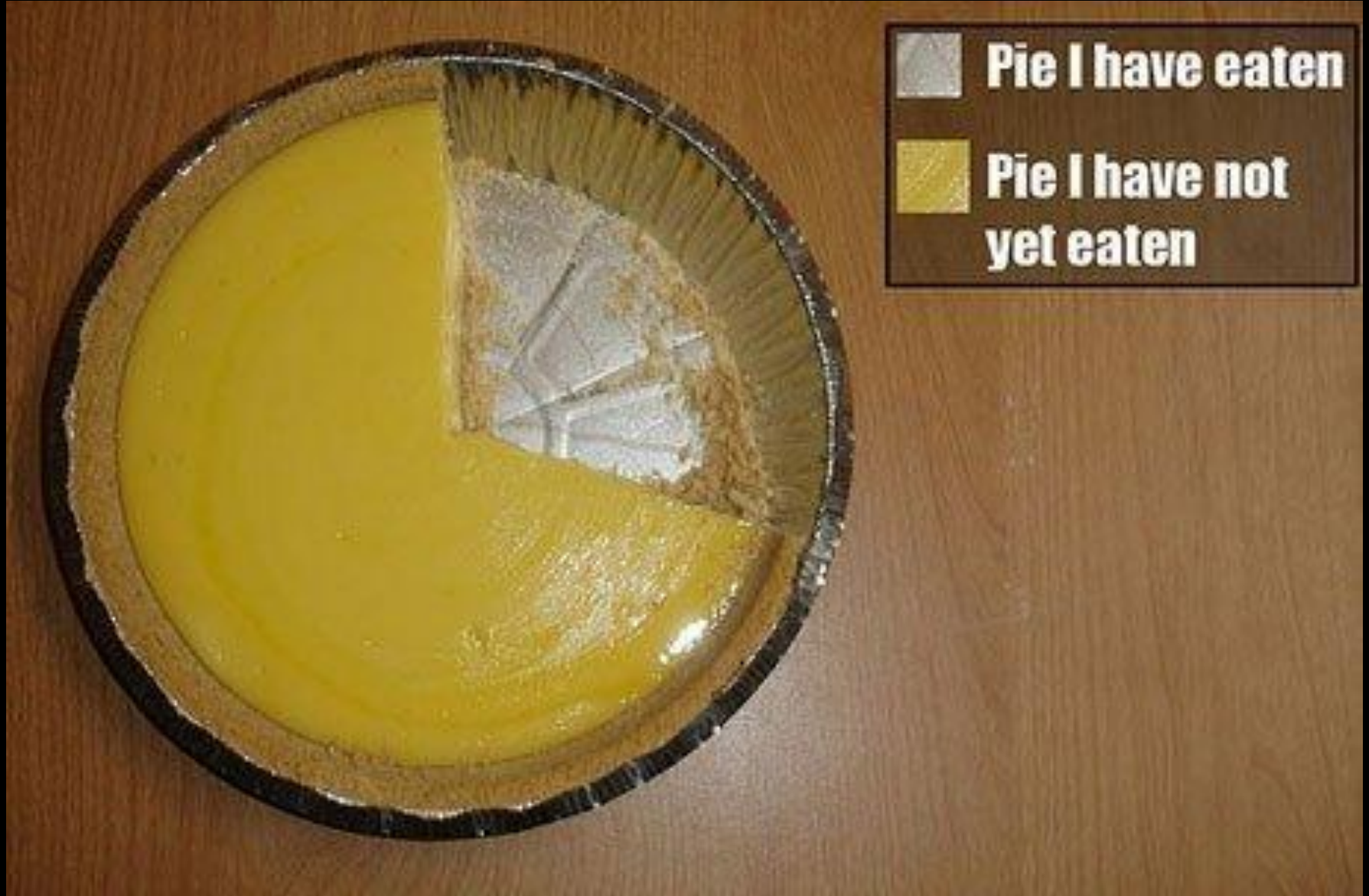
Used in Conjunction with
Coagulation Labs, especially
AntiXa (0.3-0.7)









She was the patient!



 **Pie I have eaten**

 **Pie I have not yet eaten**

Summary

We find POCT invaluable as a tool to be able to provide as close to in-the-moment clinical decisions related to management of our patients in the most crucial and time-sensitive moments.



Thromboelastography in Pediatric Cardiac Surgery

Treating Big Bleeding in Tiny Patients

Daniel Duncan, CCP FPP
Chief of Perfusion

Nemours Children's Hospital, Delaware



No financial disclosures

All surgical photos are property of Nemours Children's Health



All TEG tracings are results from Nemours Cardiac Center patients with identifying information redacted

All patient photos shared with permission

Objectives

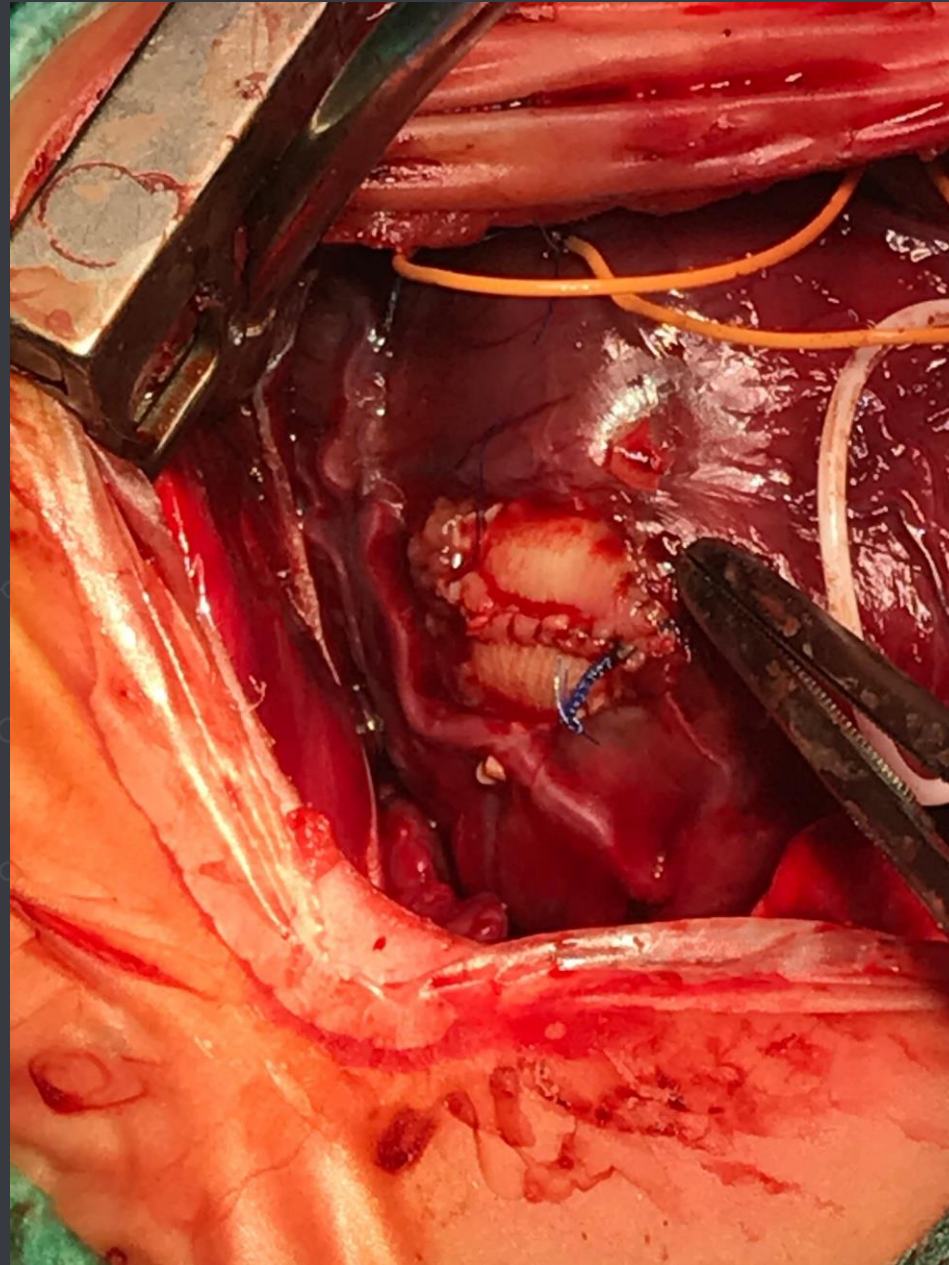
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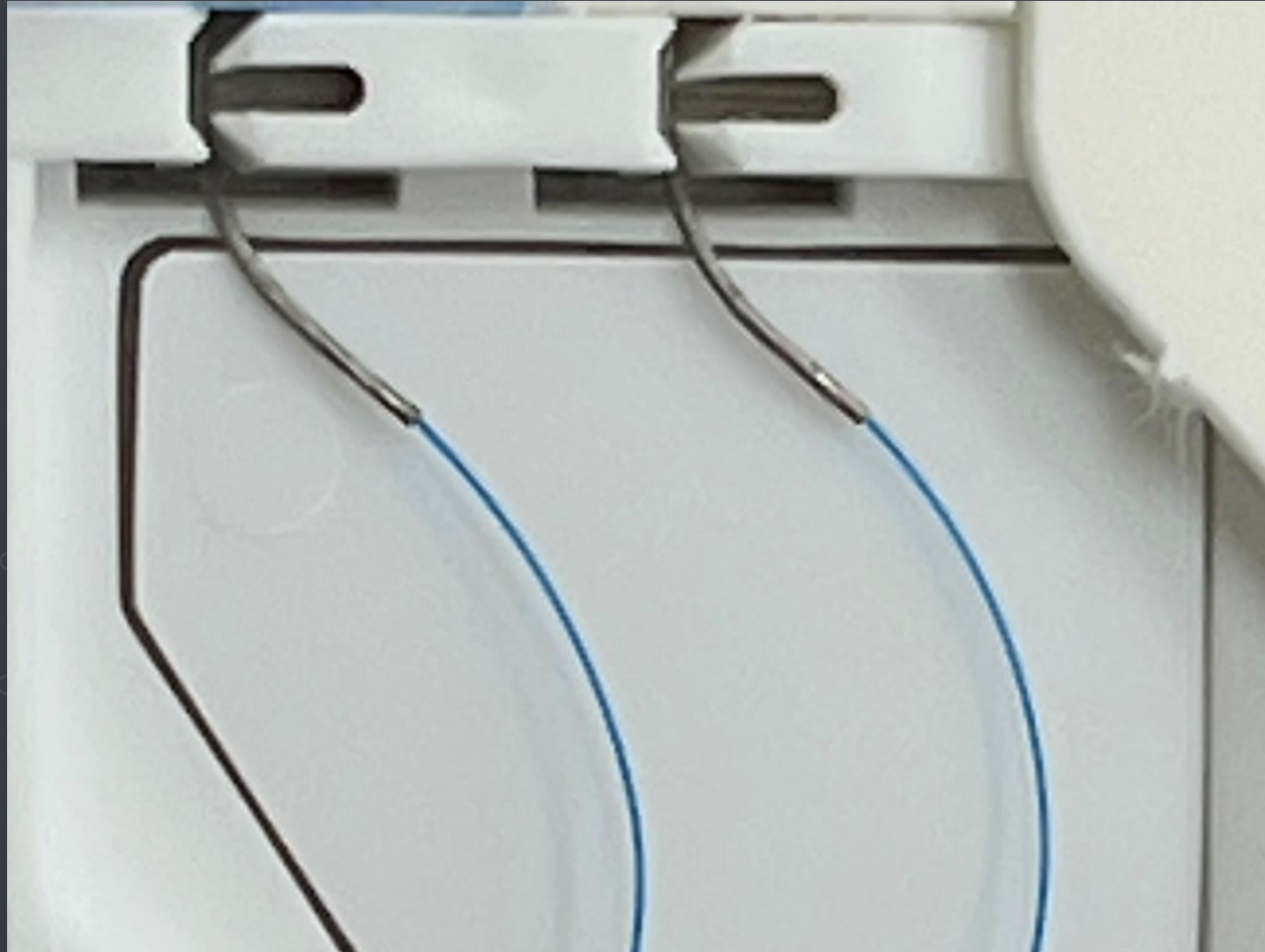
Why do Patients Bleed?

- Mechanical: Tissue trauma, suture lines









Why do Patients Bleed?

- Mechanical: Tissue trauma, suture lines
- Anticoagulation required for CPB





Why do Patients Bleed?

- Mechanical: Tissue trauma, suture lines
- Anticoagulation required for CPB
- Blood-foreign surface contact activation and consumptive coagulopathy



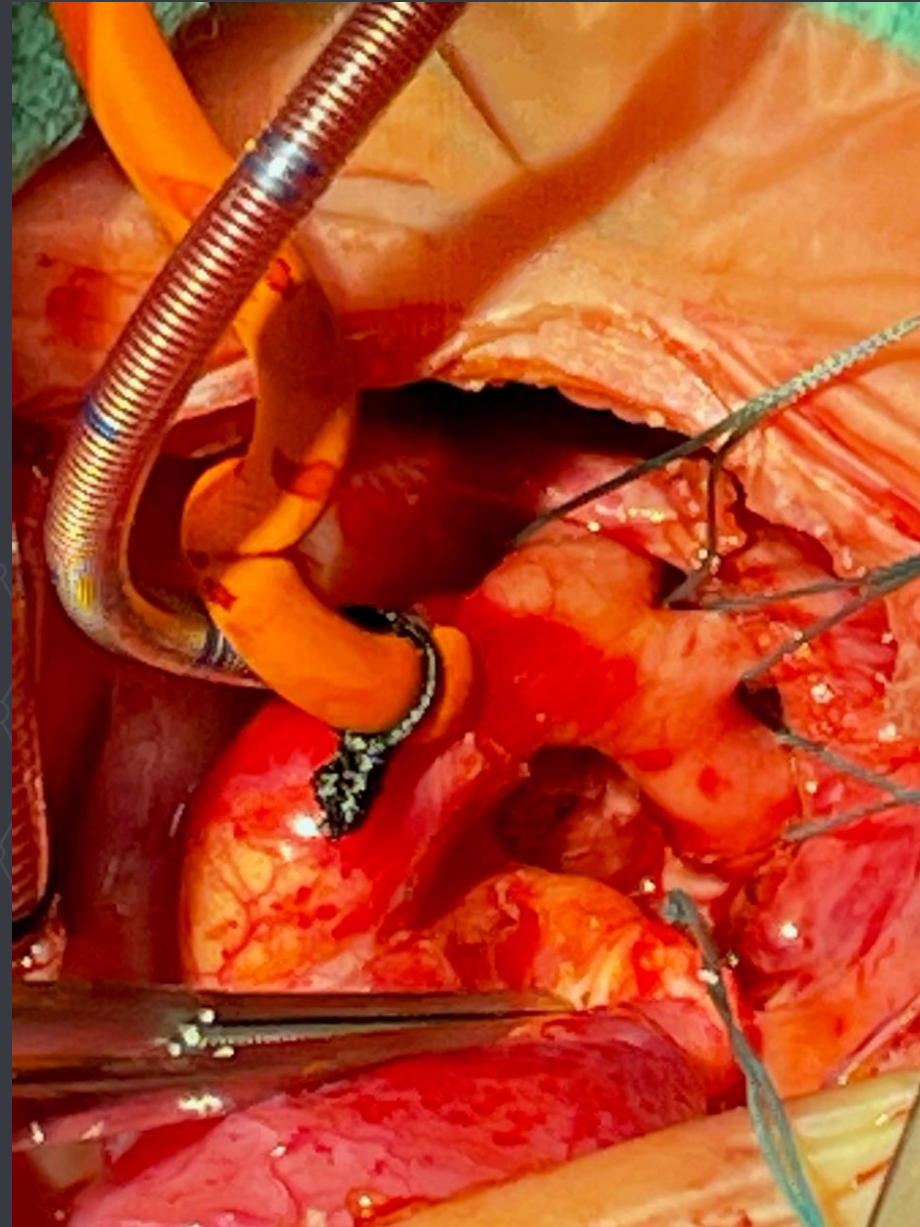
Objectives

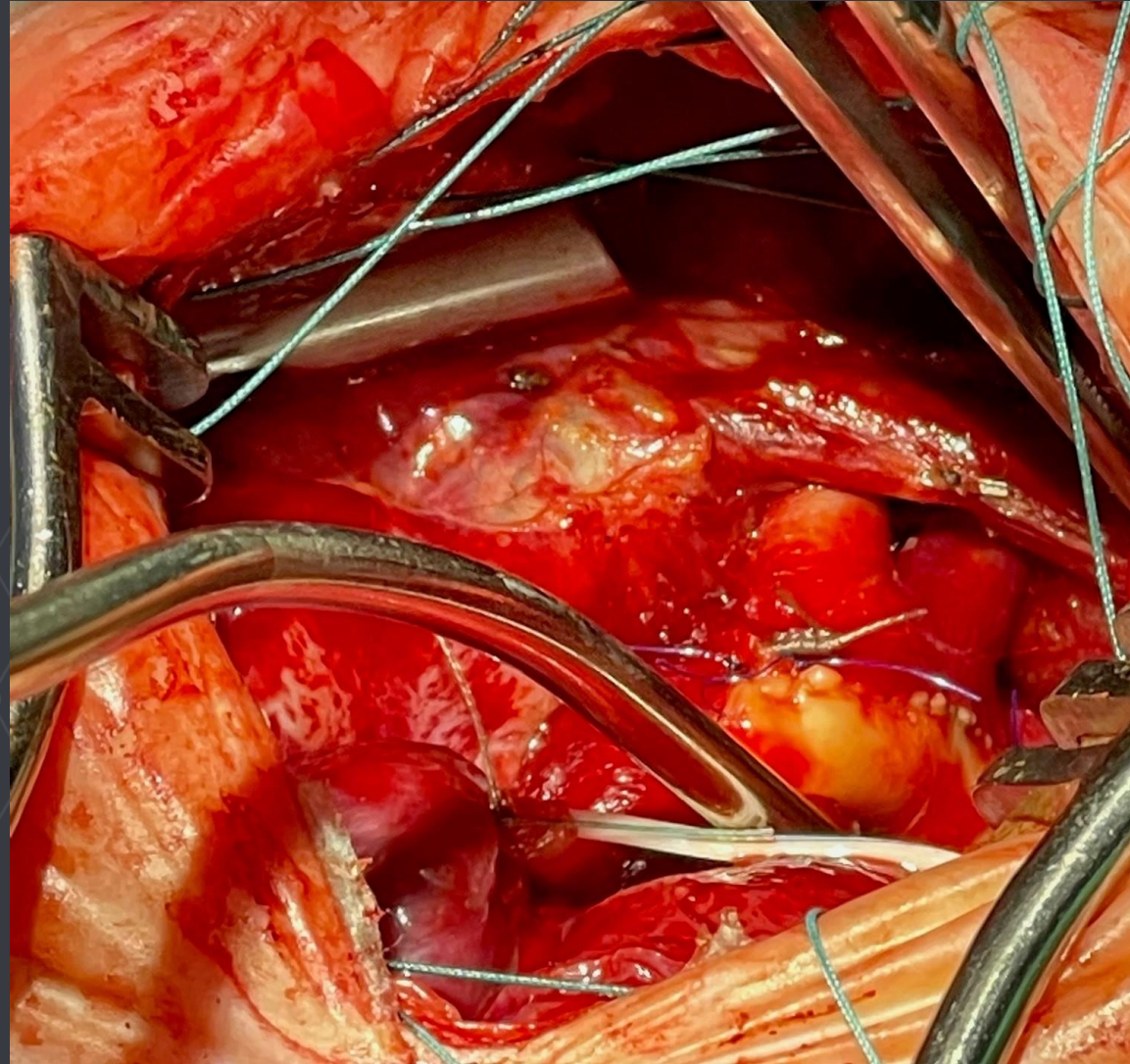
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Case Reports

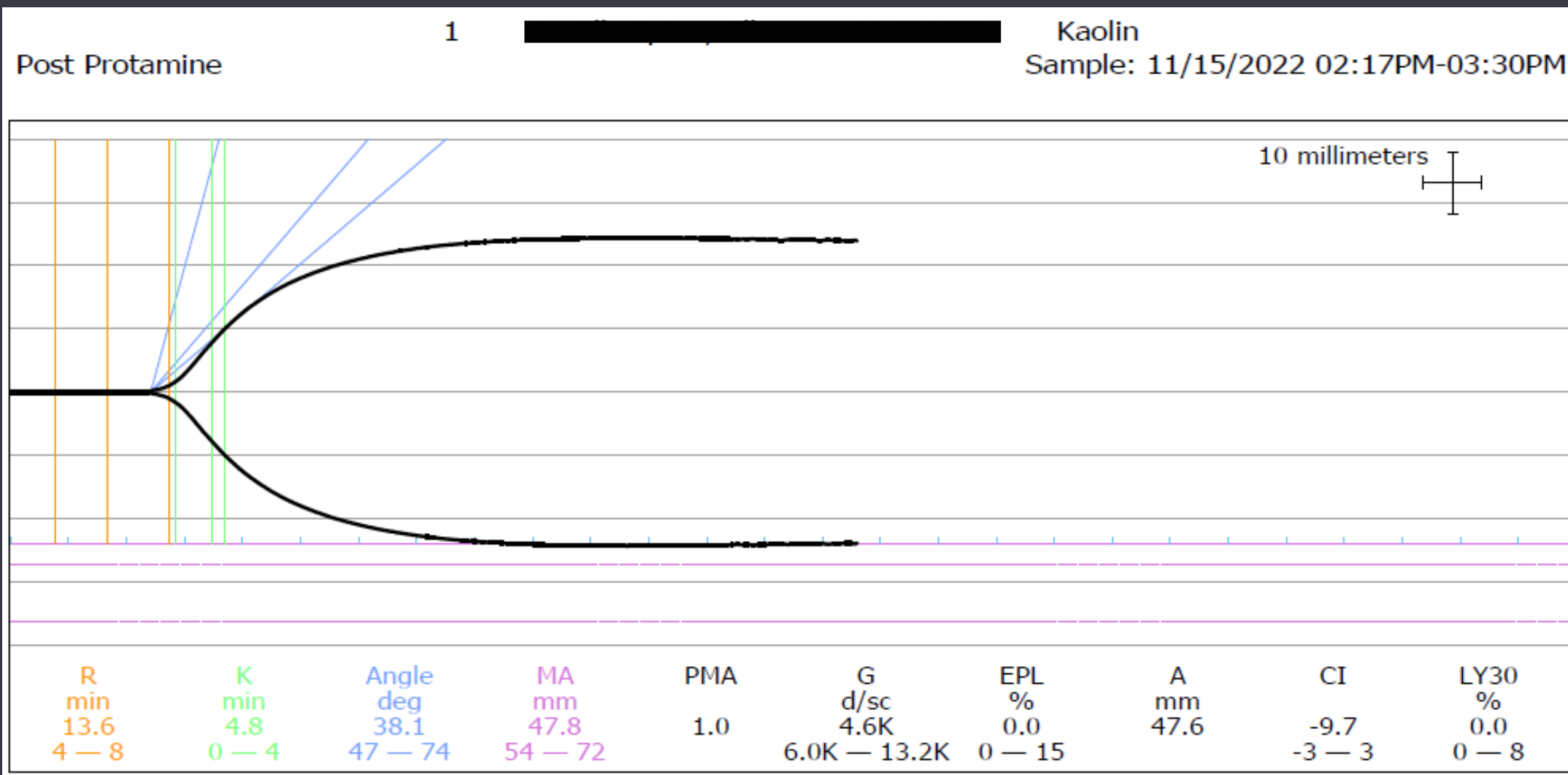
- Aortic Arch Hypoplasia
 - Arch Augmentation



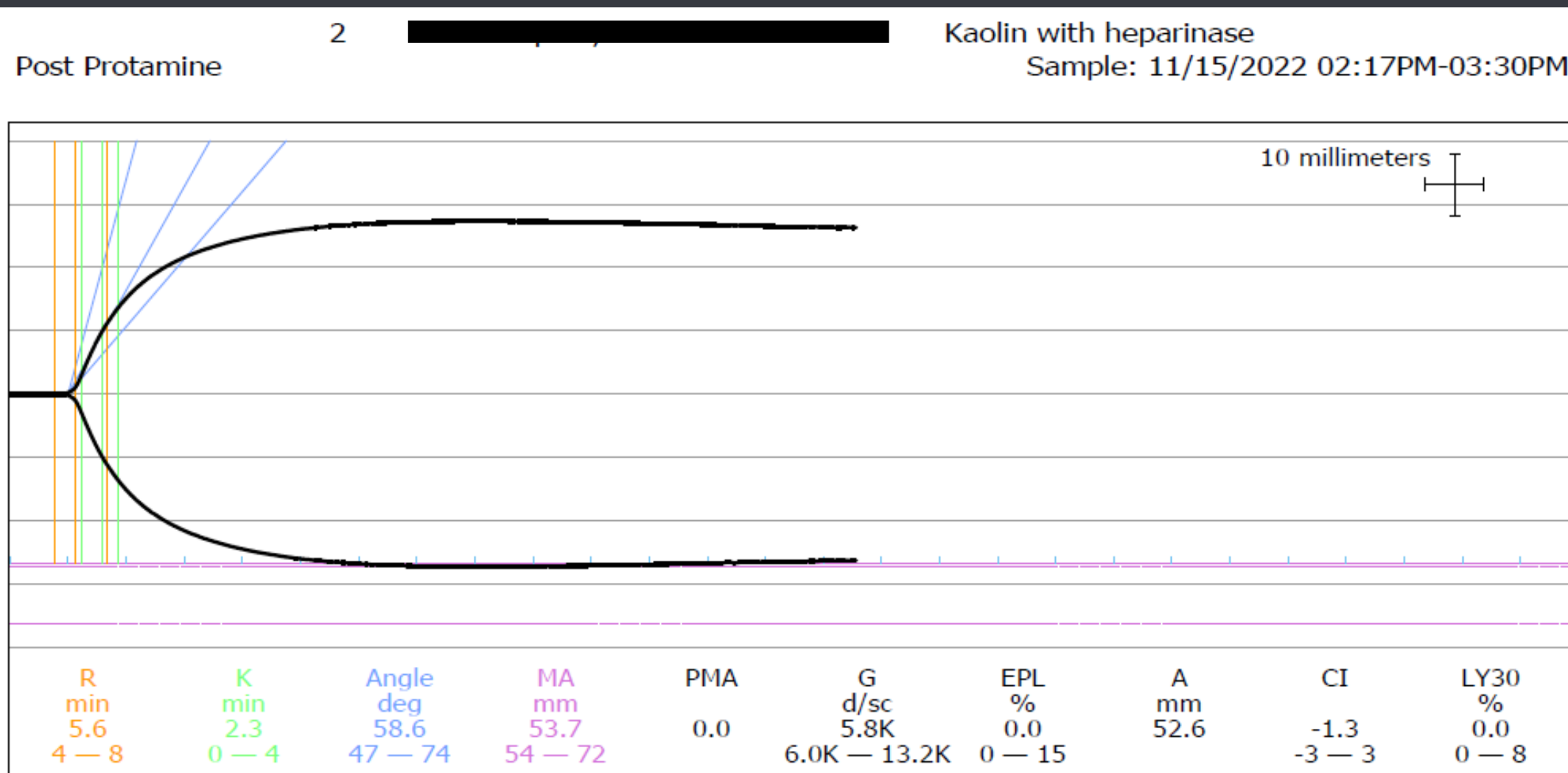




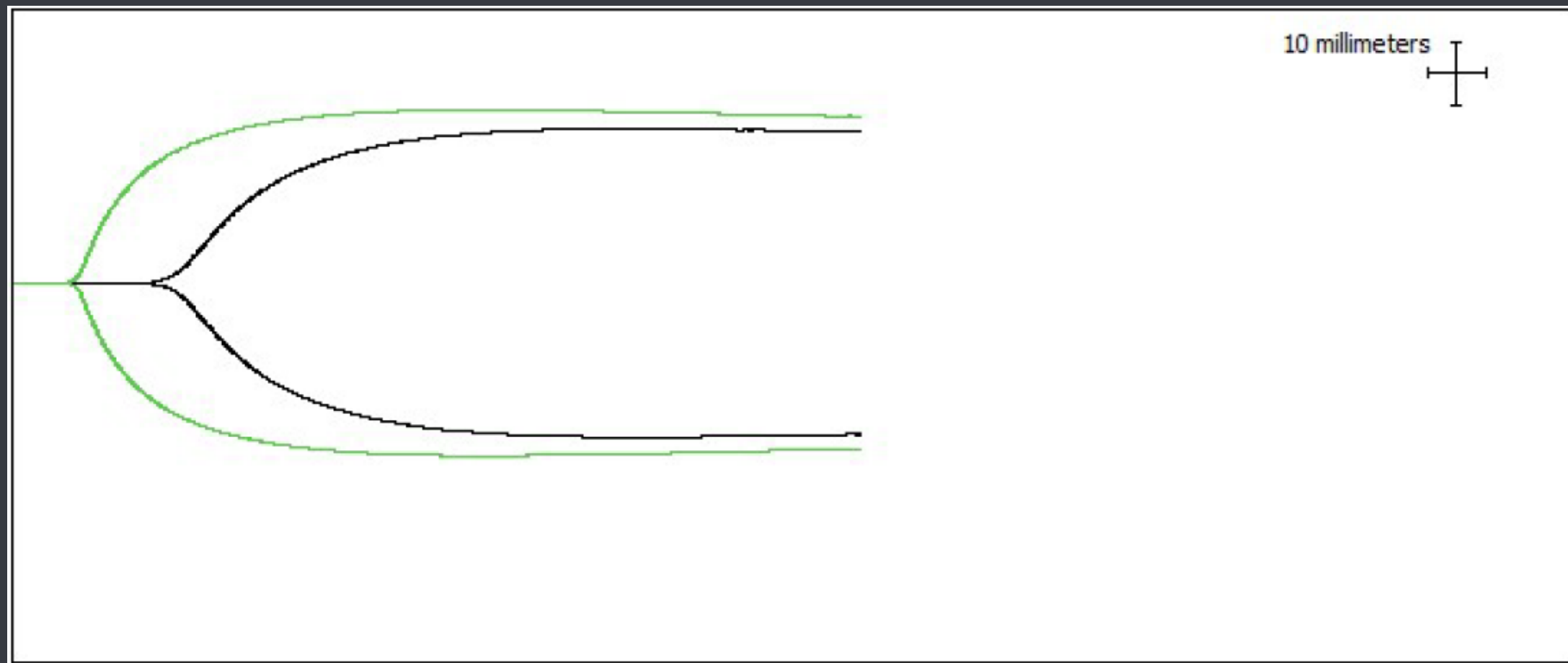
Aortic Arch Repair, Kaolin



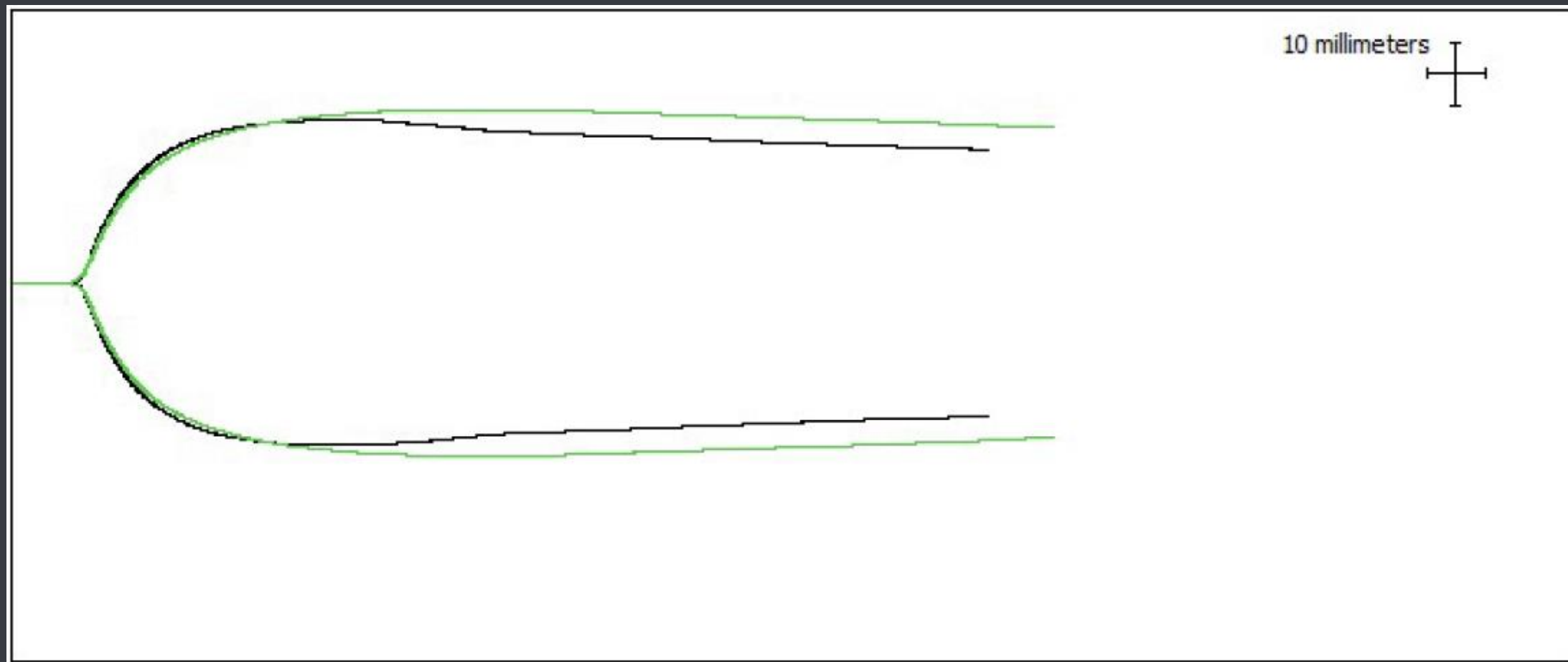
Aortic Arch Repair, Kaolin + Heparinase



Aortic Arch Repair, Residual Heparin Effect



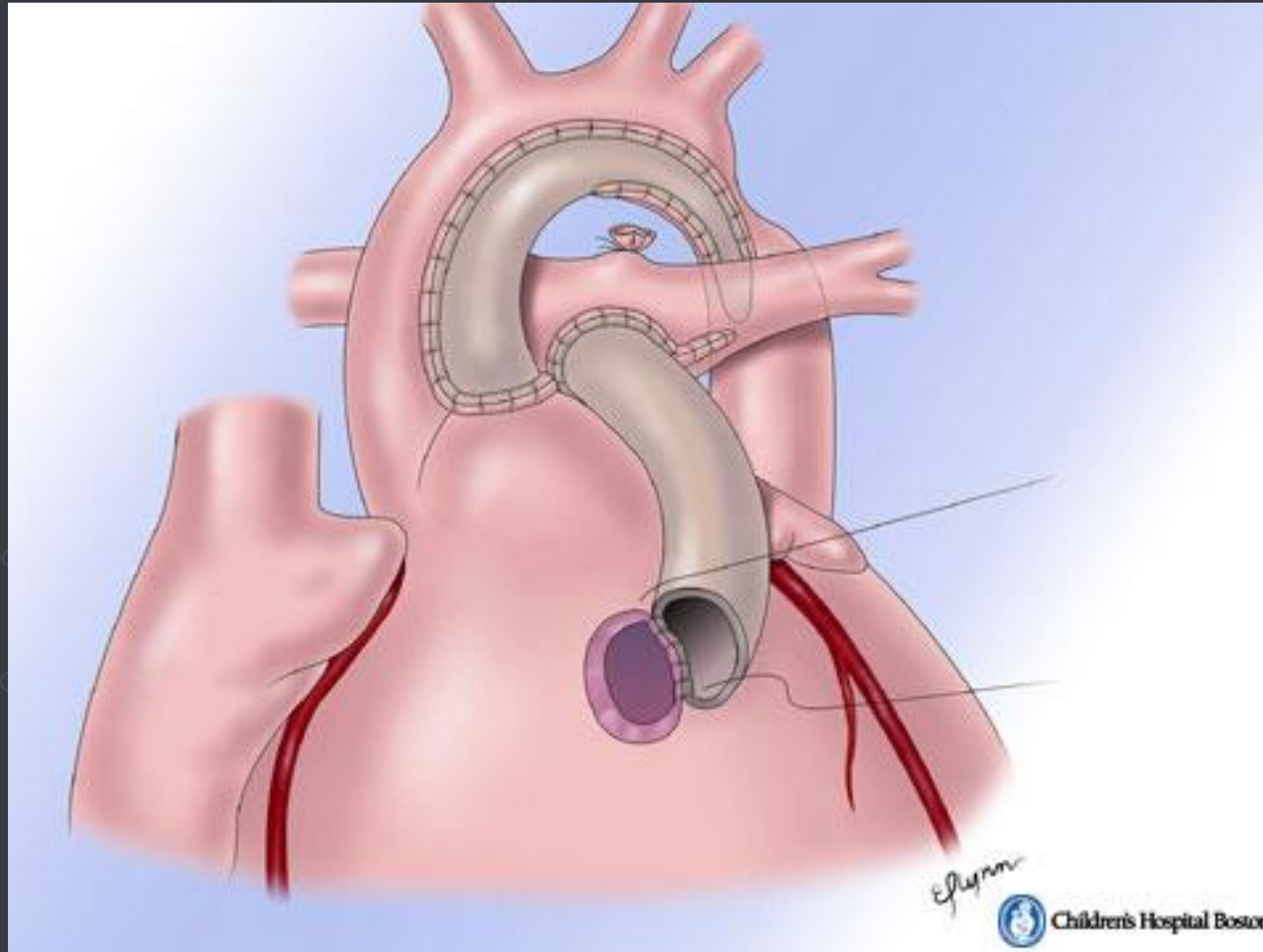
Aortic Arch Repair, Added Protamine, No Heparin



Case Reports

- Aortic Arch Hypoplasia
 - Arch Augmentation
- Hypoplastic Left Heart Syndrome
 - Stage One Norwood Procedure

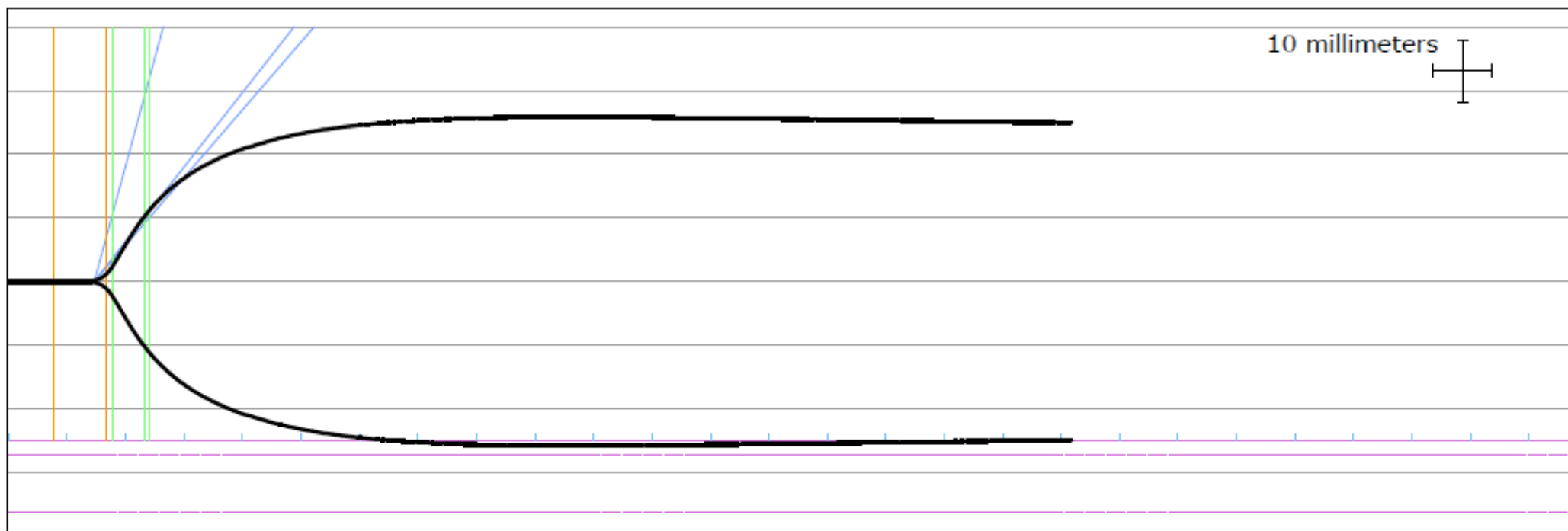






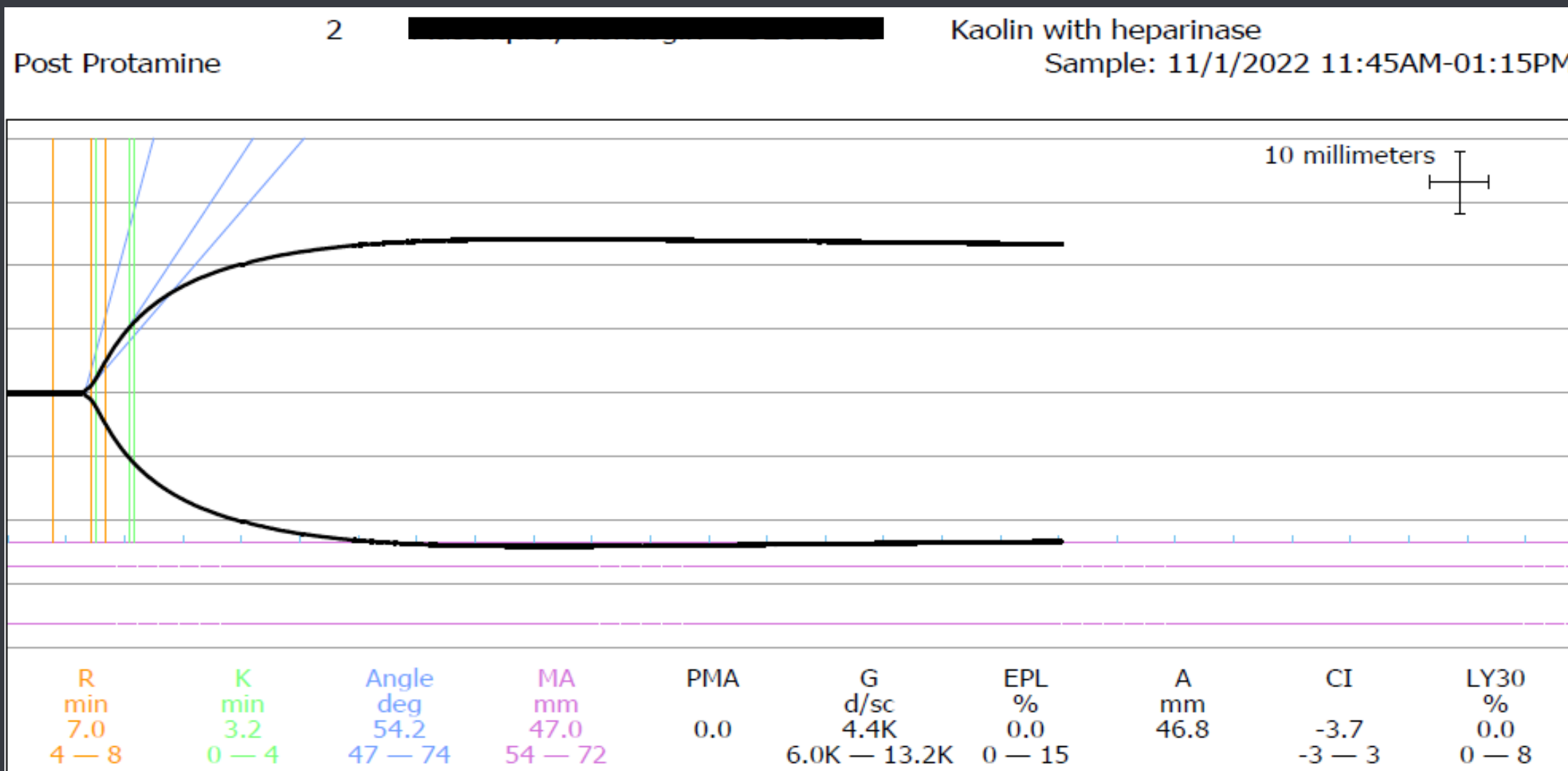
HLHS, Kaolin Post-protamine

Post Protamine 1 [REDACTED] Kaolin
Sample: 11/1/2022 11:44AM-01:15PM

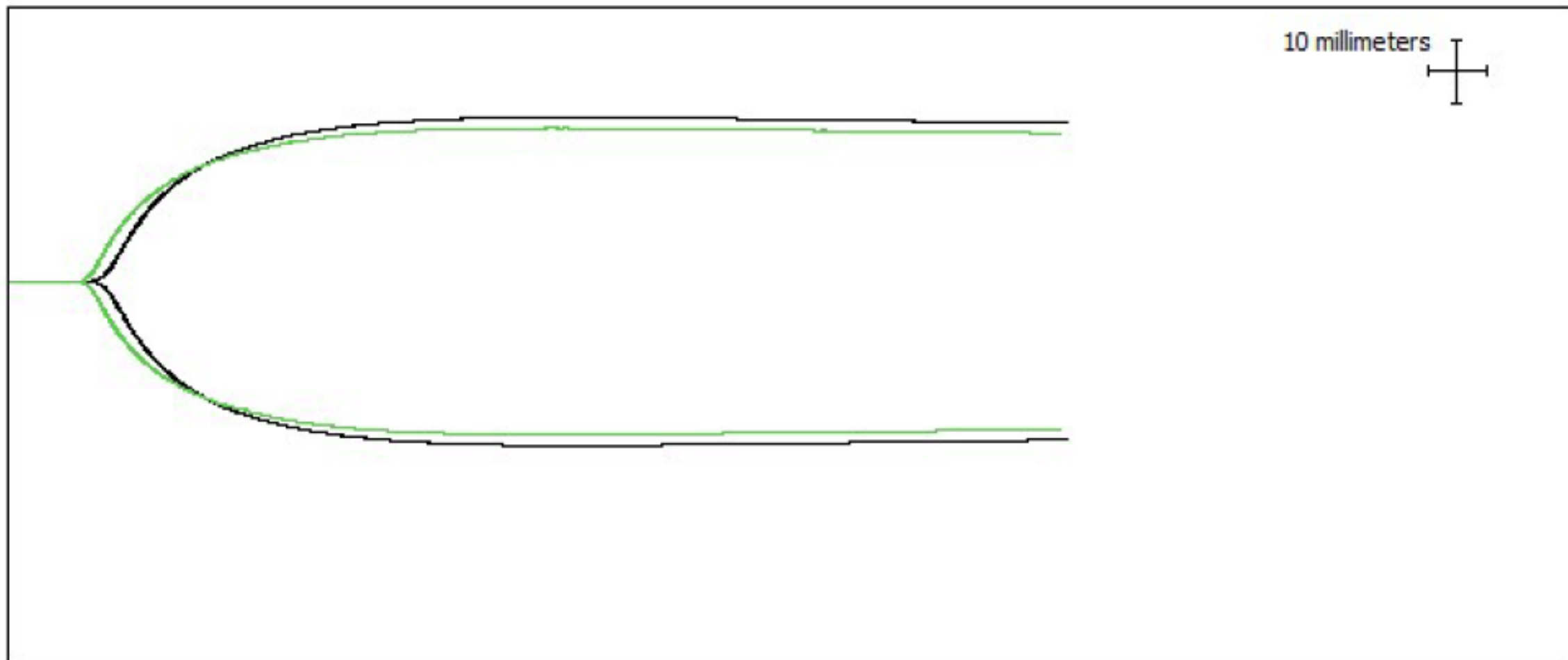


R	K	Angle	MA	PMA	G	EPL	A	CI	LY30
min	min	deg	mm		d/sc	%	mm		%
8.2	3.2	49.5	50.0	0.0	5.0K	0.0	49.9	-4.5	0.0
4 — 8	0 — 4	47 — 74	54 — 72		6.0K — 13.2K	0 — 15		-3 — 3	0 — 8

HLHS, Kaolin + Heparinase Post-protamine



HLHS, Post-Protamine Heparin Effect



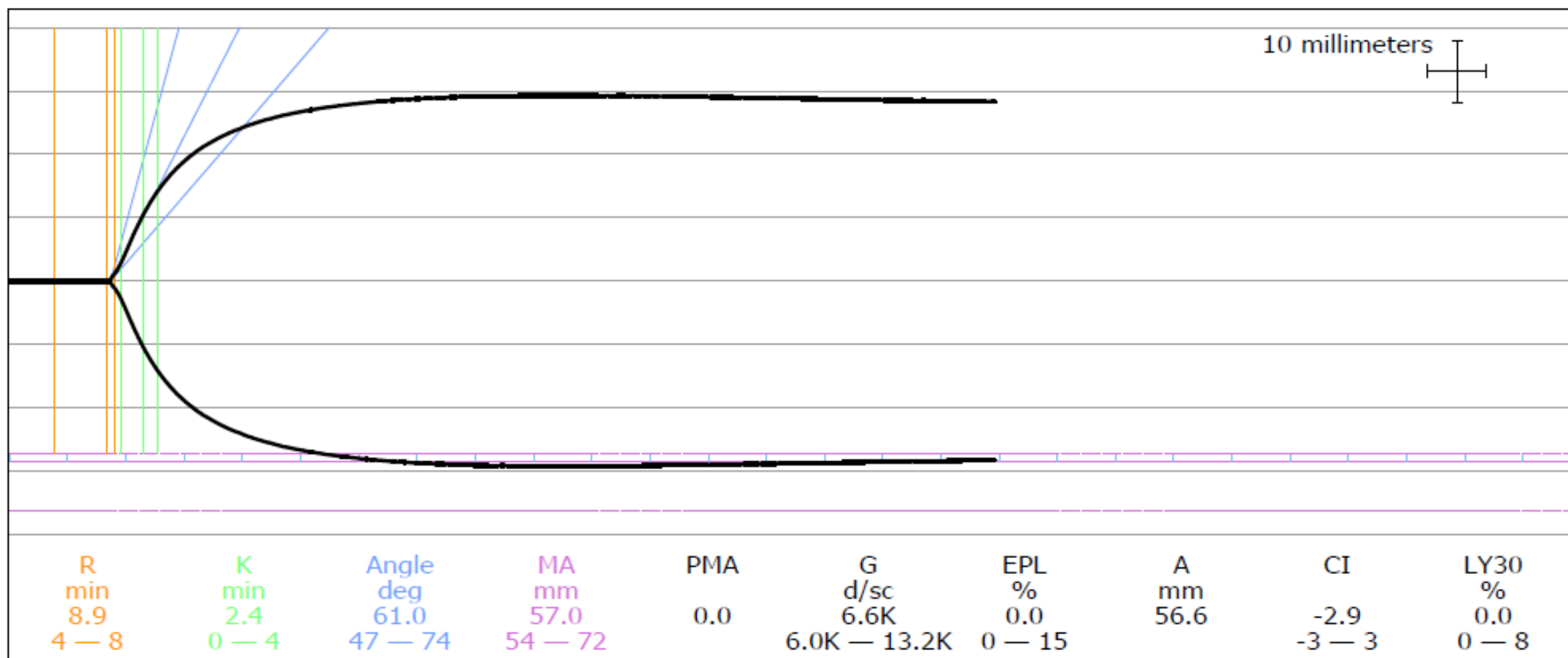
HLHS, Additional Protamine, Kaolin

Post Protamine

3

Kaolin

Sample: 11/1/2022 12:05PM-01:30PM



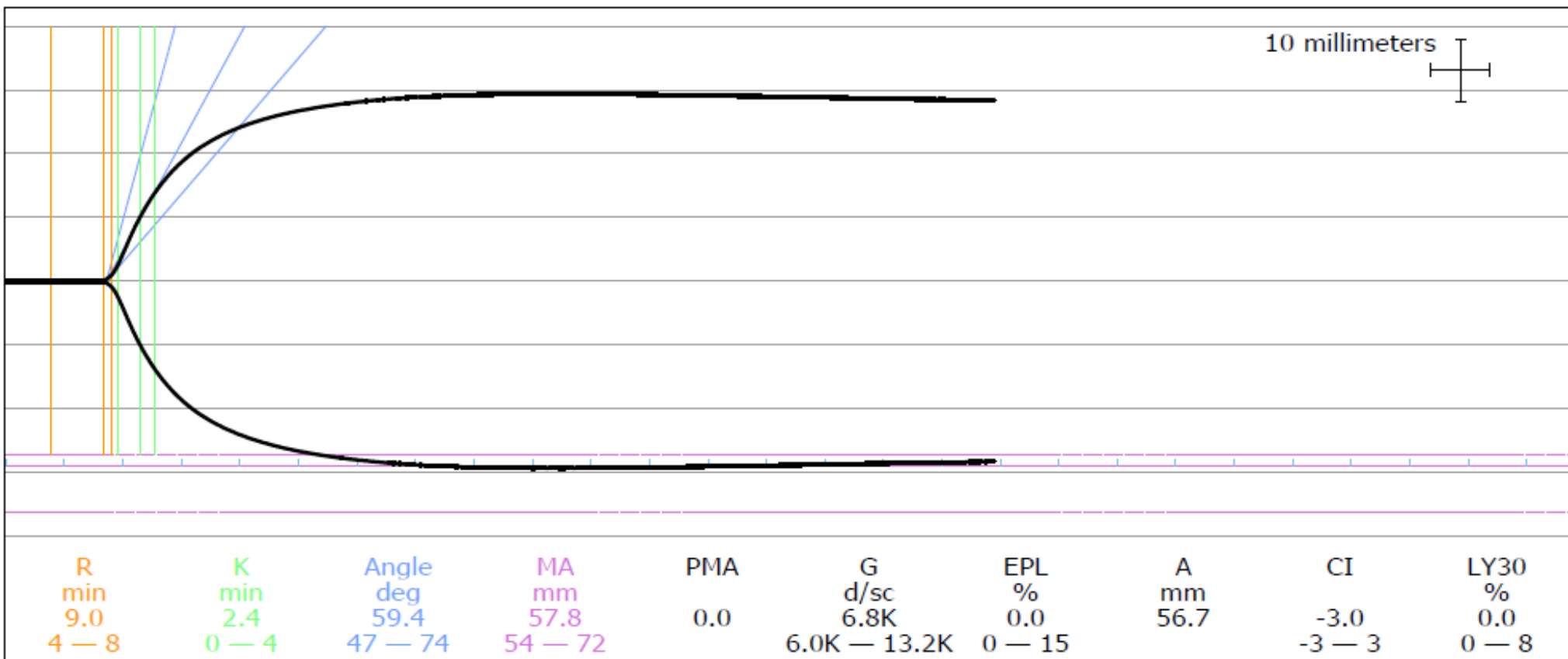
HLHS, Additional Protamine, Heparinase

Post Protamine

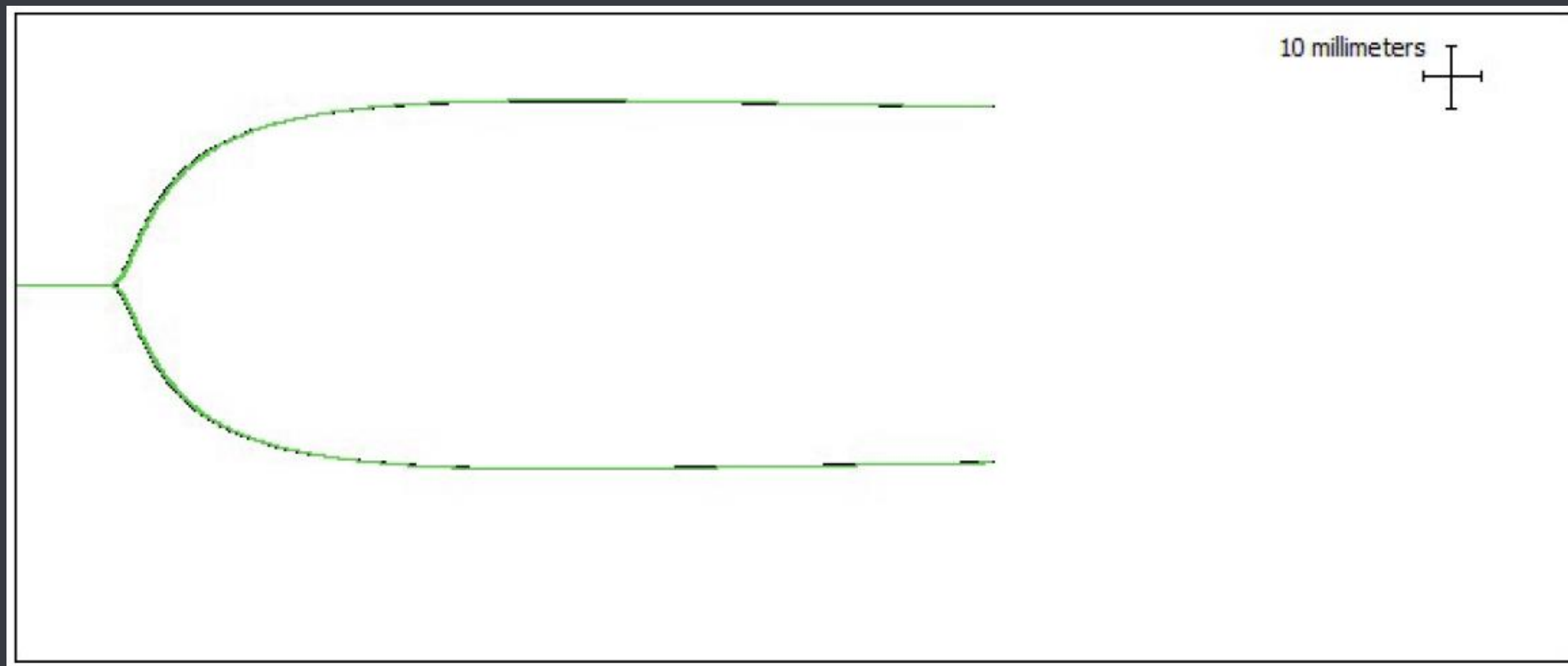
4

Kaolin with heparinase

Sample: 11/1/2022 12:06PM-01:30PM

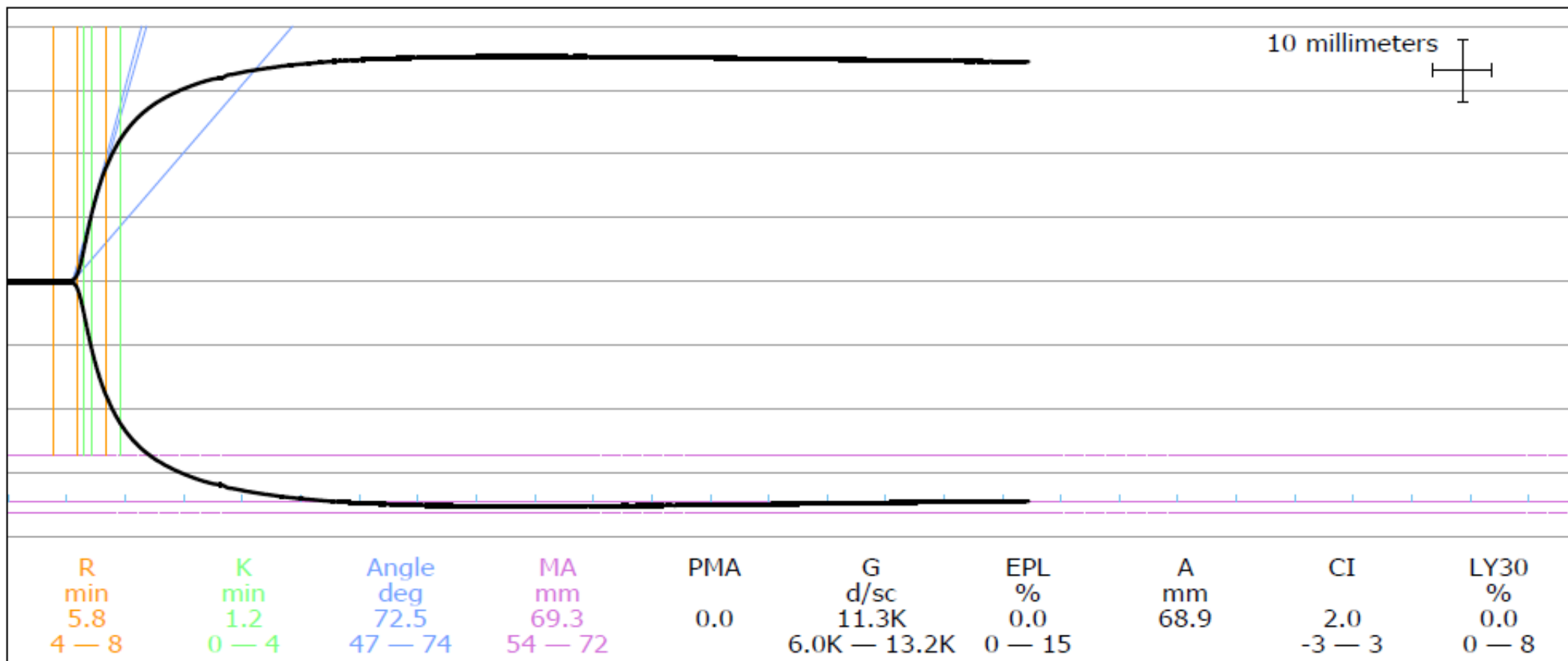


HLHS, Additional Protamine, No Heparin Effect

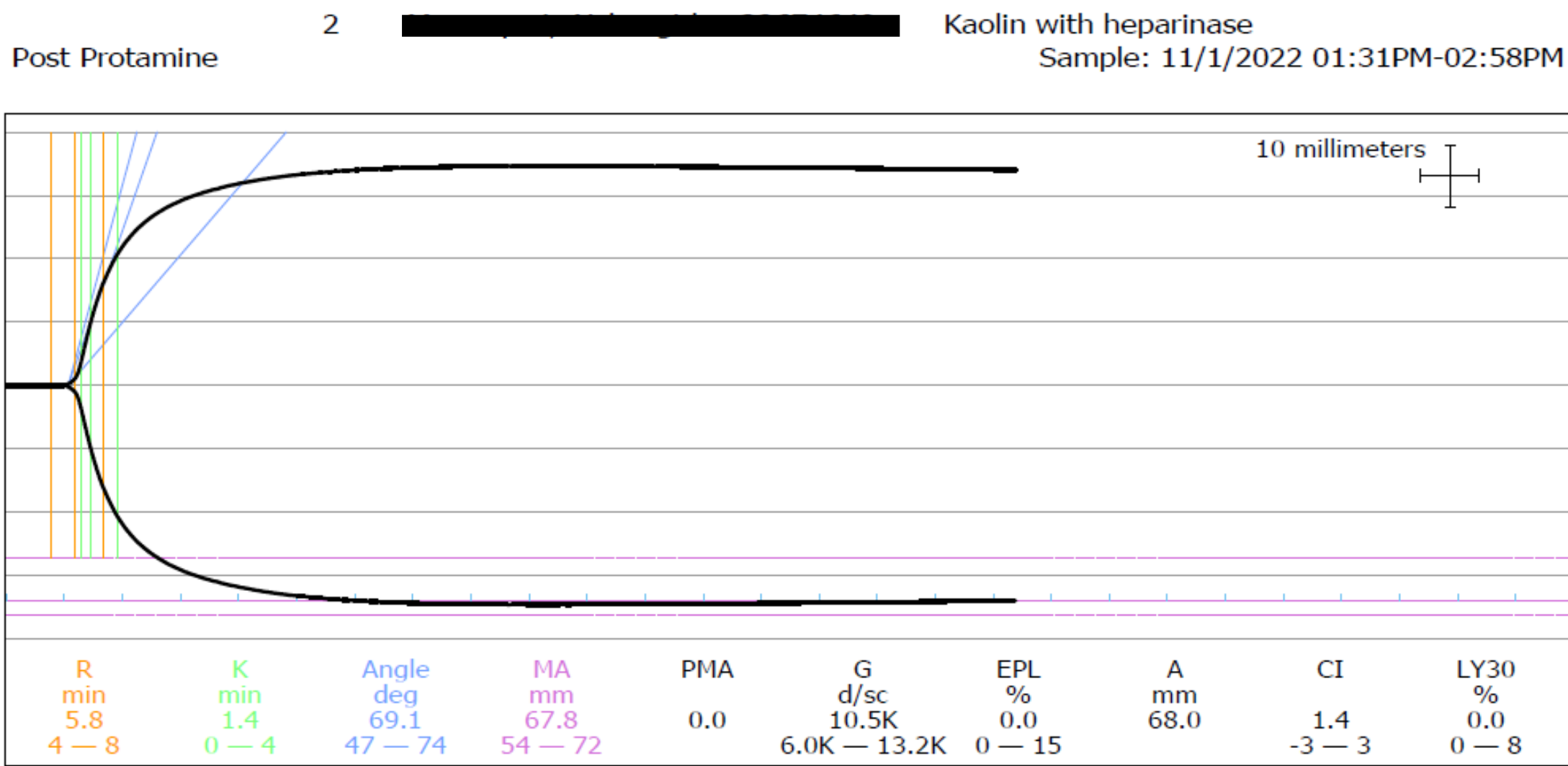


HLHS, Protamine, Platelets, Kaolin

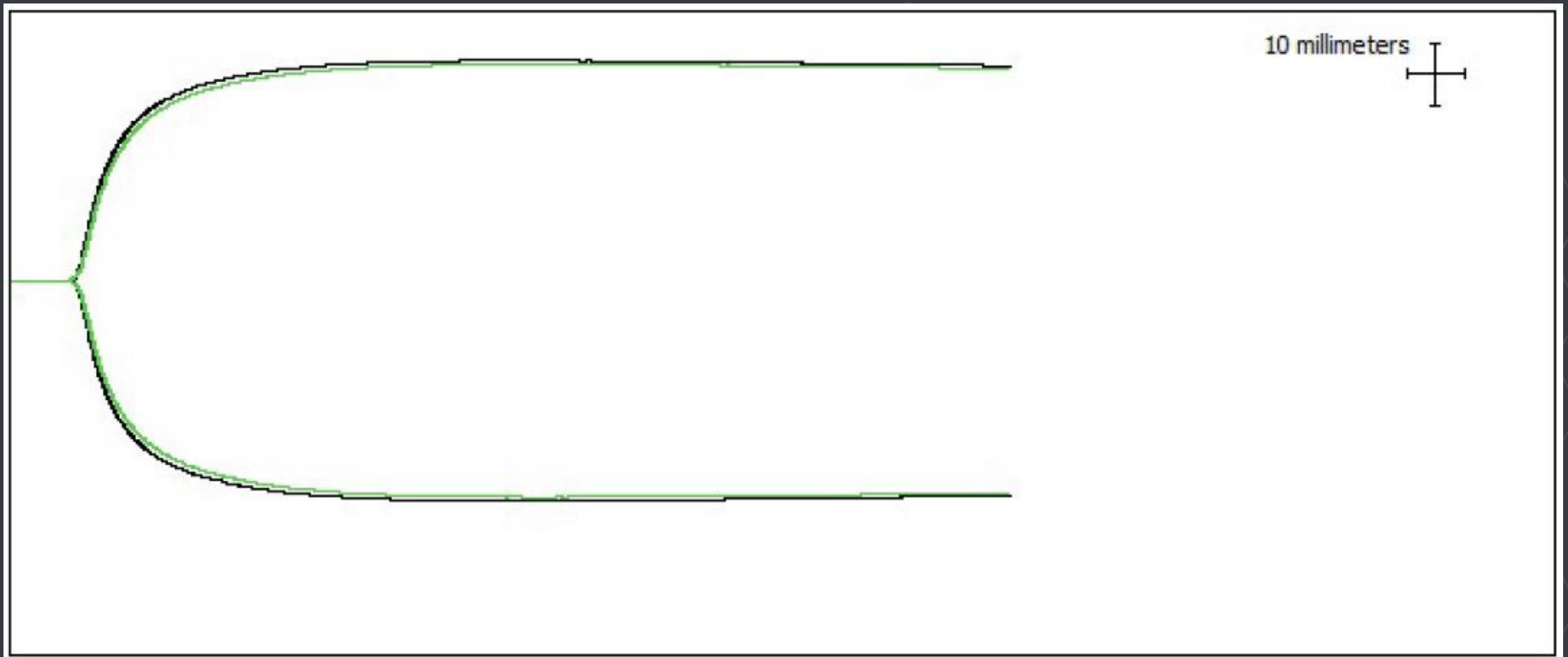
1 [REDACTED] Kaolin
Post Protamine Sample: 11/1/2022 01:30PM-02:58PM



HLHS, Protamine, Platelets, Kaolin + Heparinase



HLHS, Protamine, Platelets, No Heparin Effect

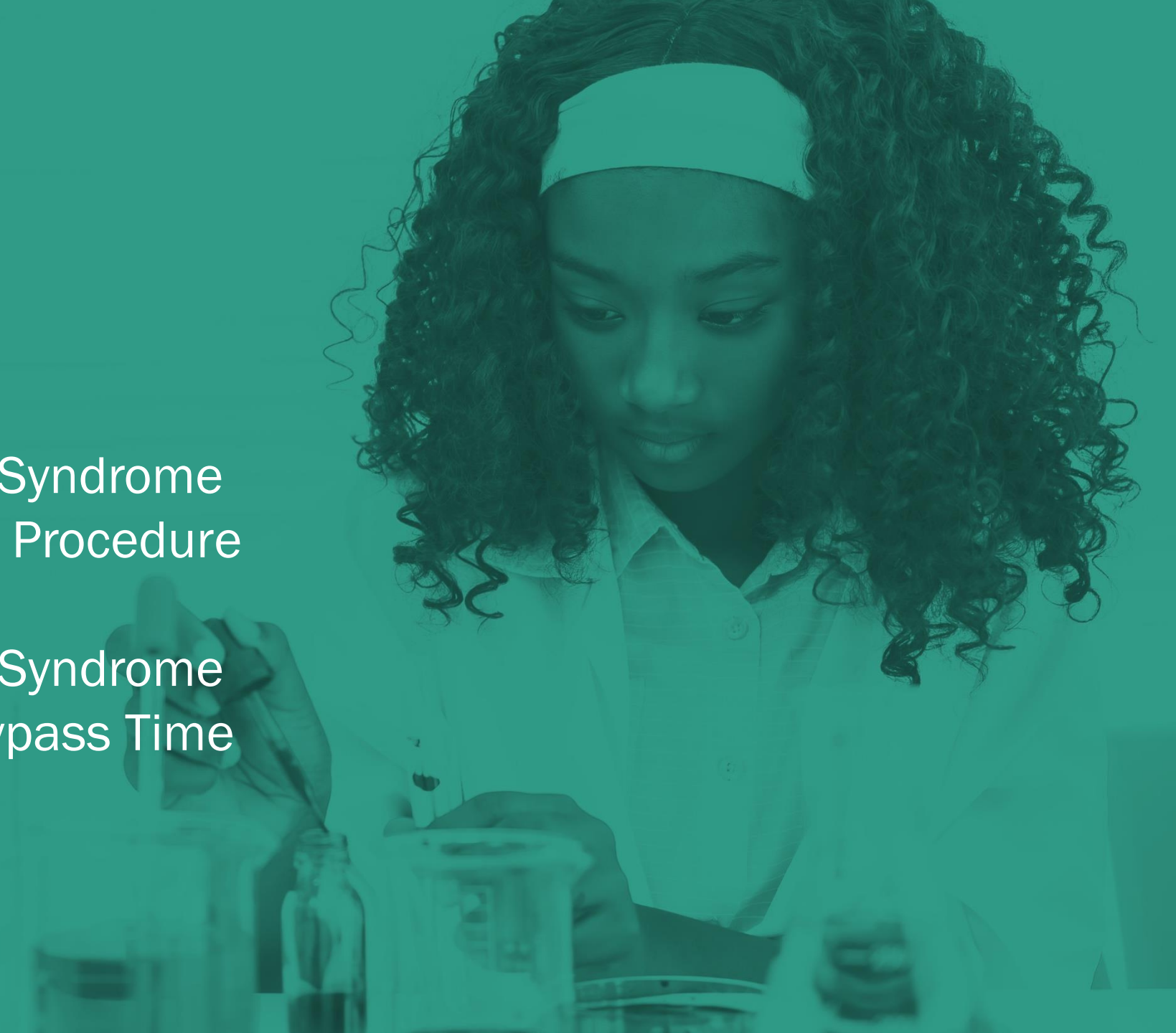


HLHS, TEG Normalization

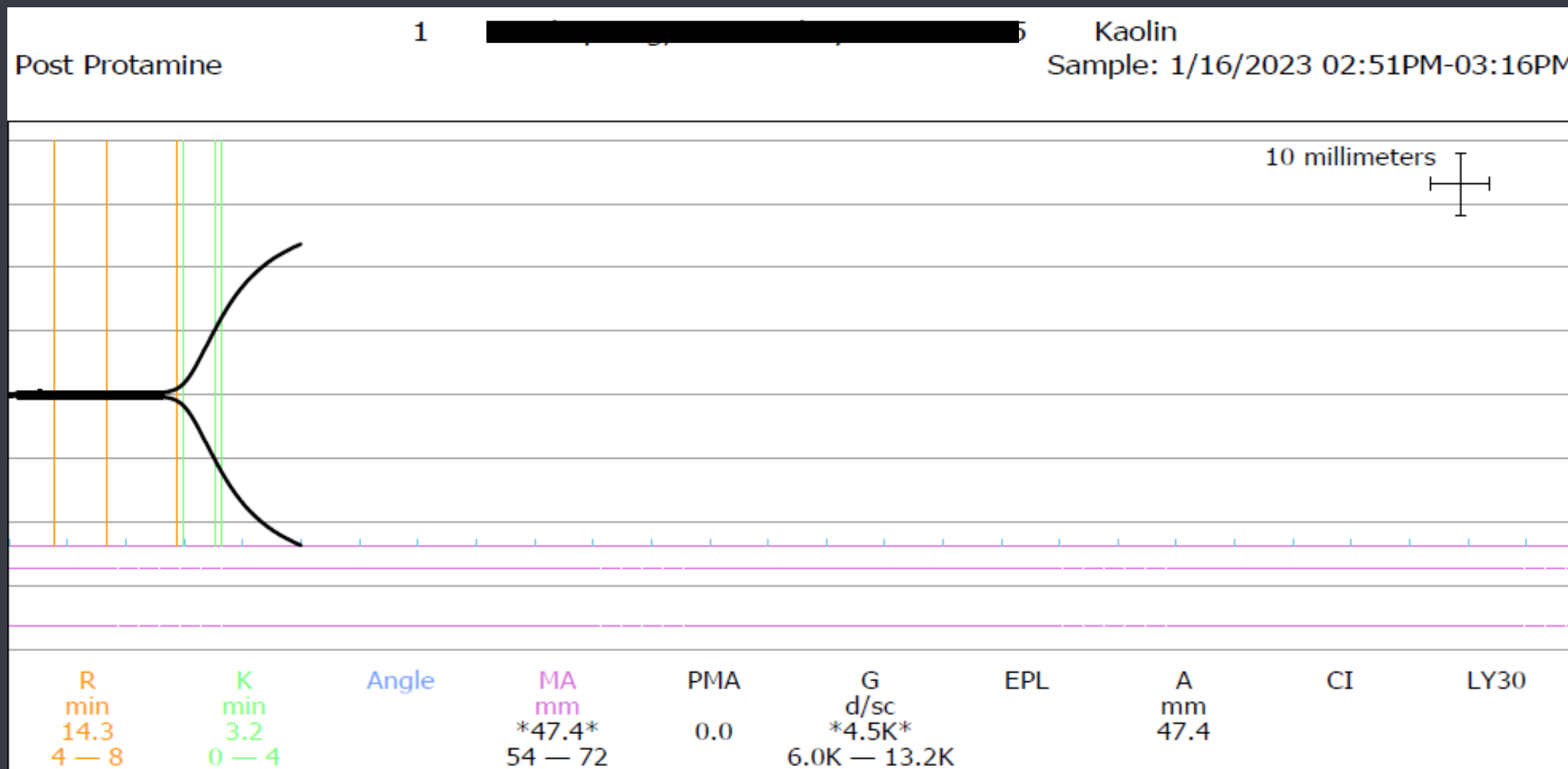


Case Reports

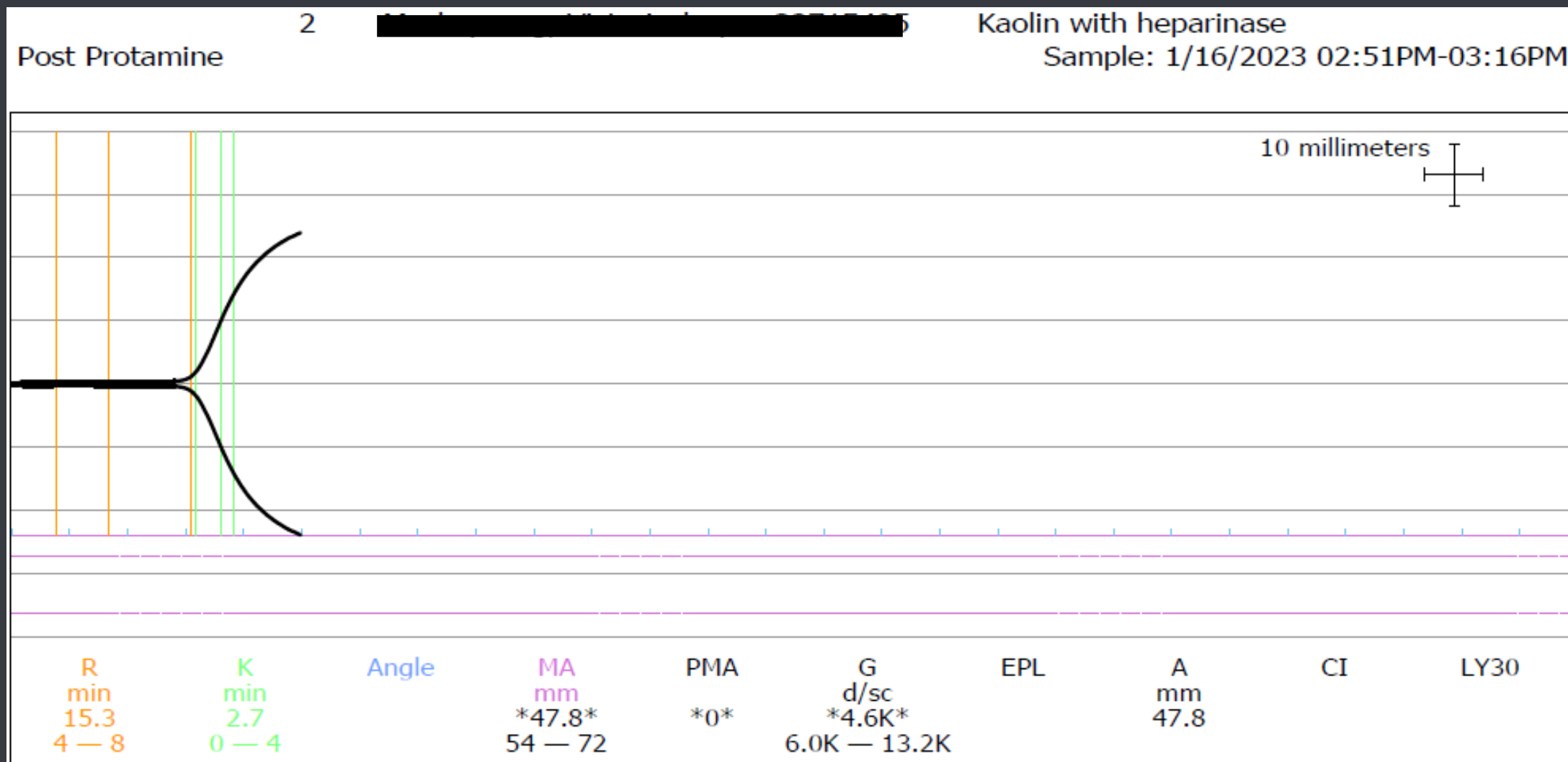
- Aortic Arch Hypoplasia
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- Hypoplastic Left Heart Syndrome
 - Stage One, Long Bypass Time



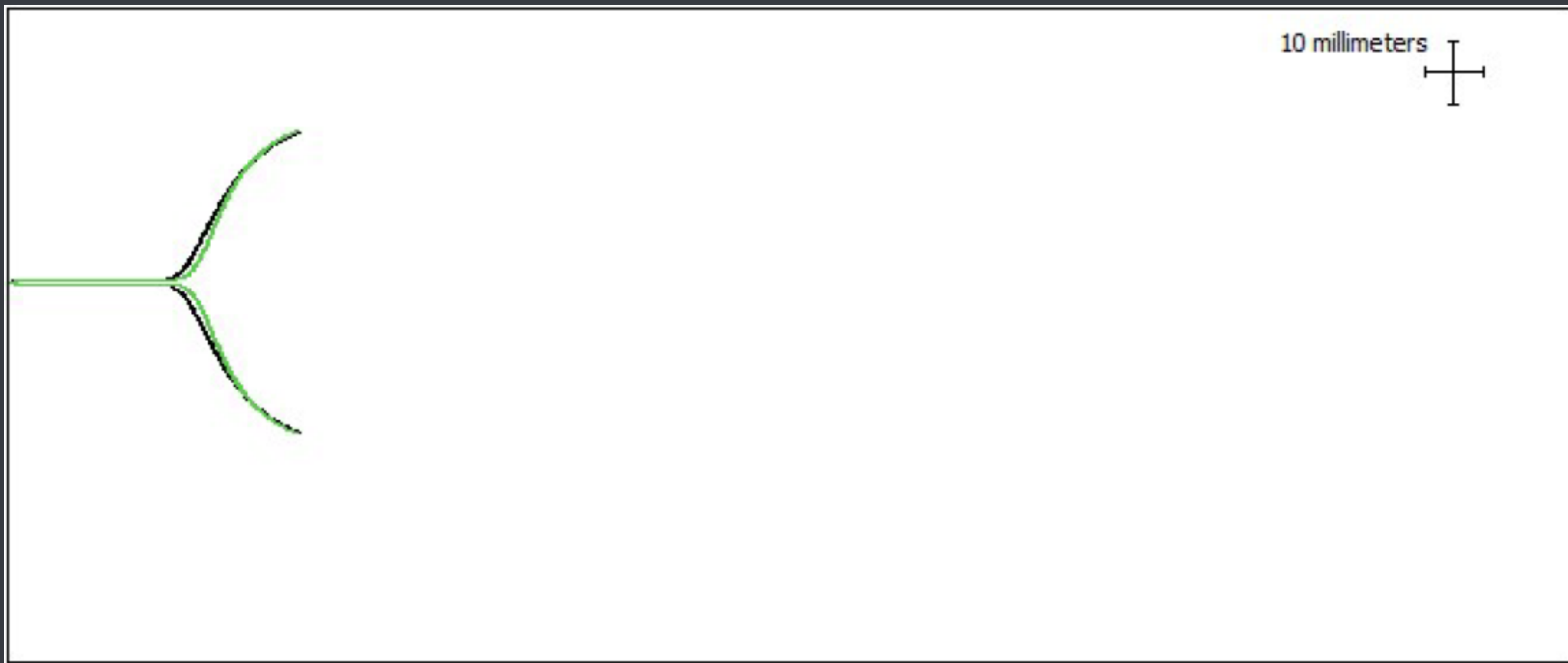
HLHS 2, Post Protamine Kaolin



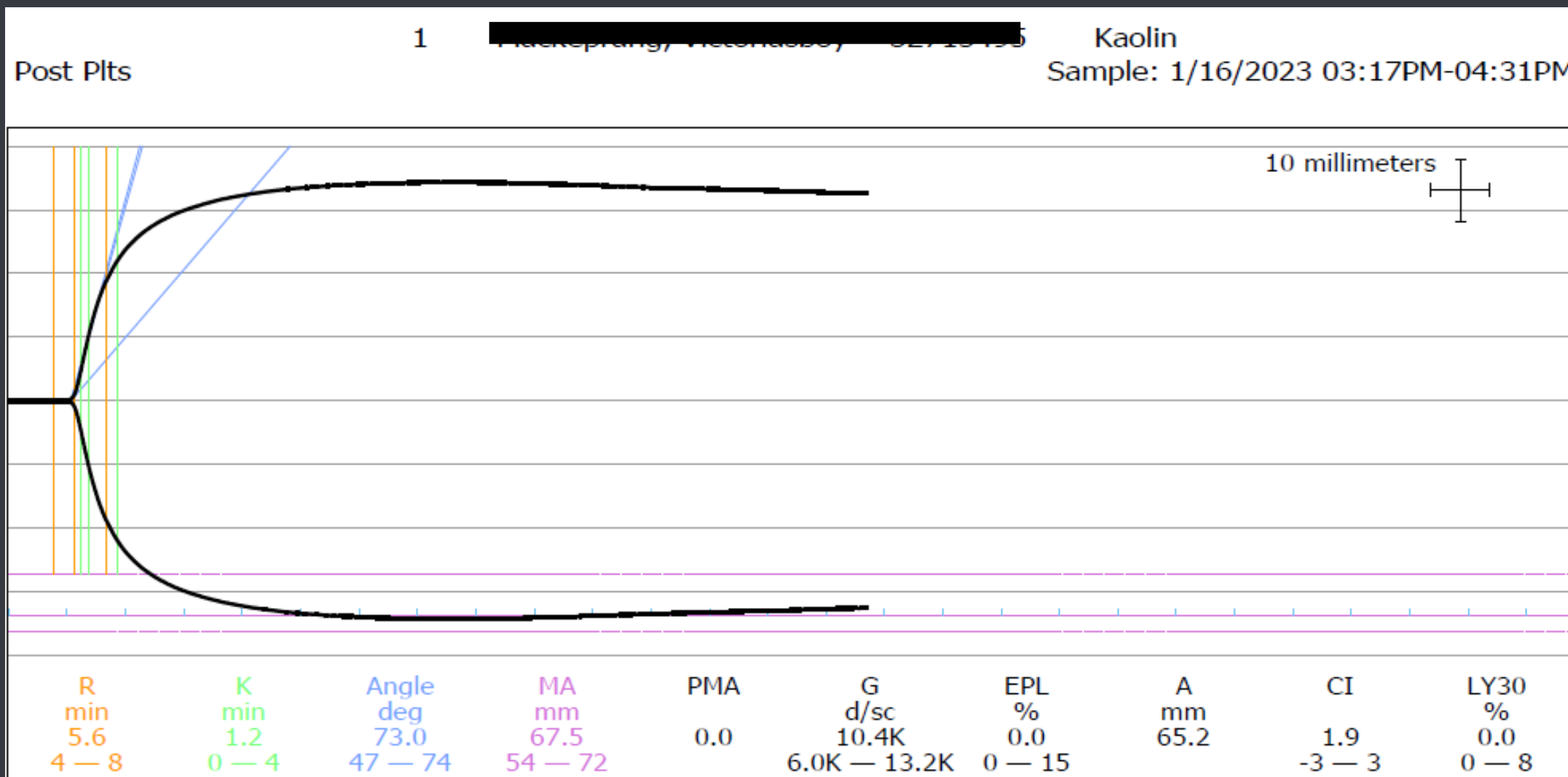
HLHS 2, Post Protamine Heparinase



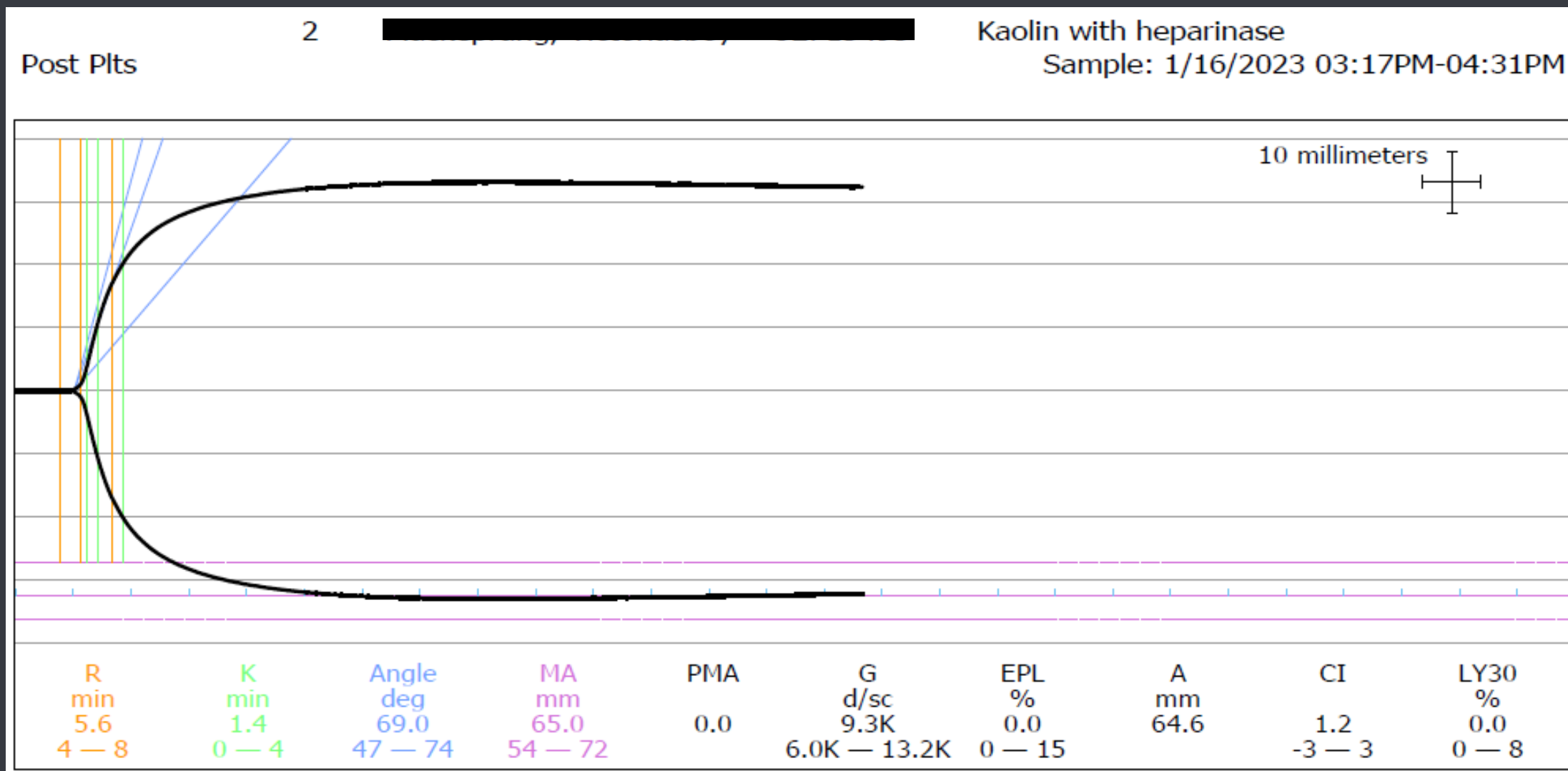
HLHS 2, Post Protamine, Minimal Heparin



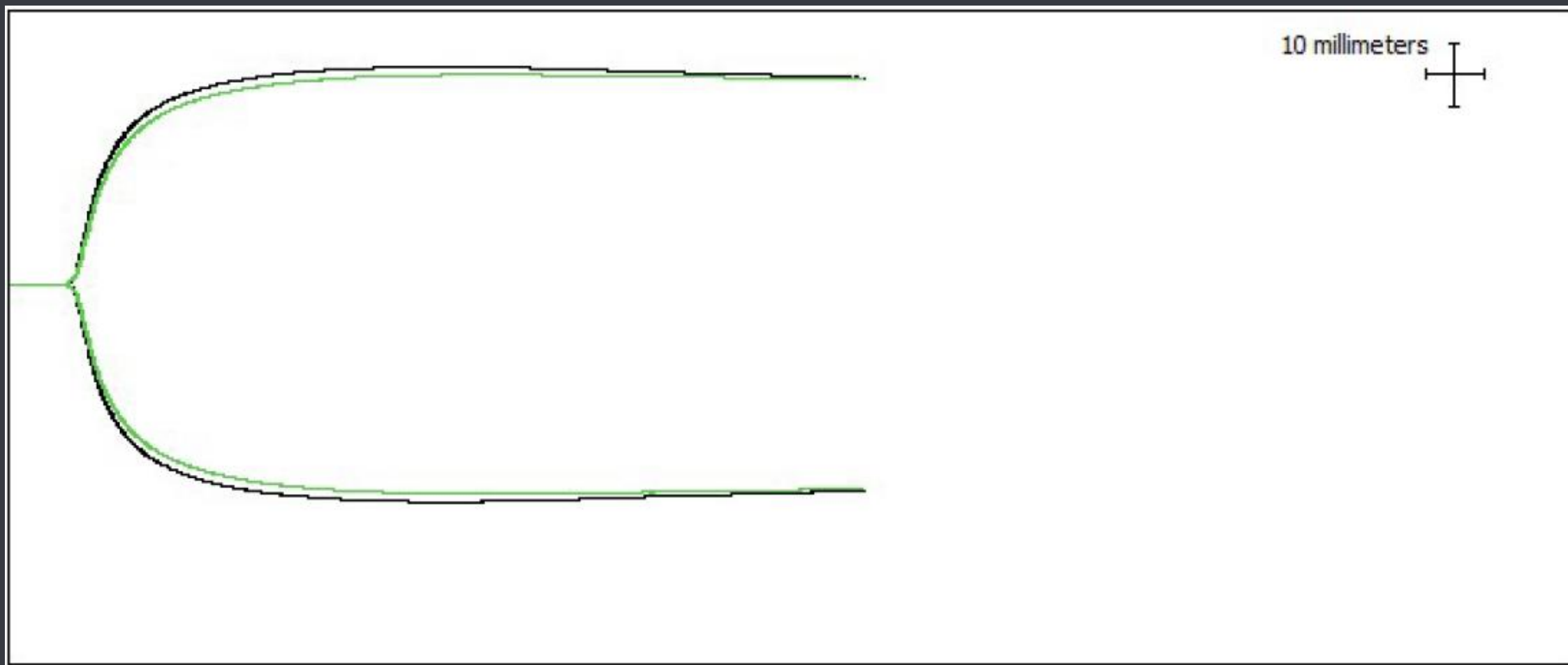
HLHS 2, Platelets + FFP, Kaolin



HLHS 2, Platelets + FFP, Heparinase



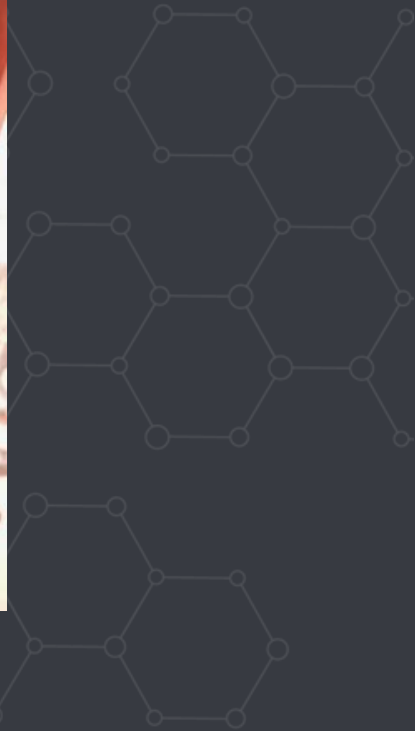
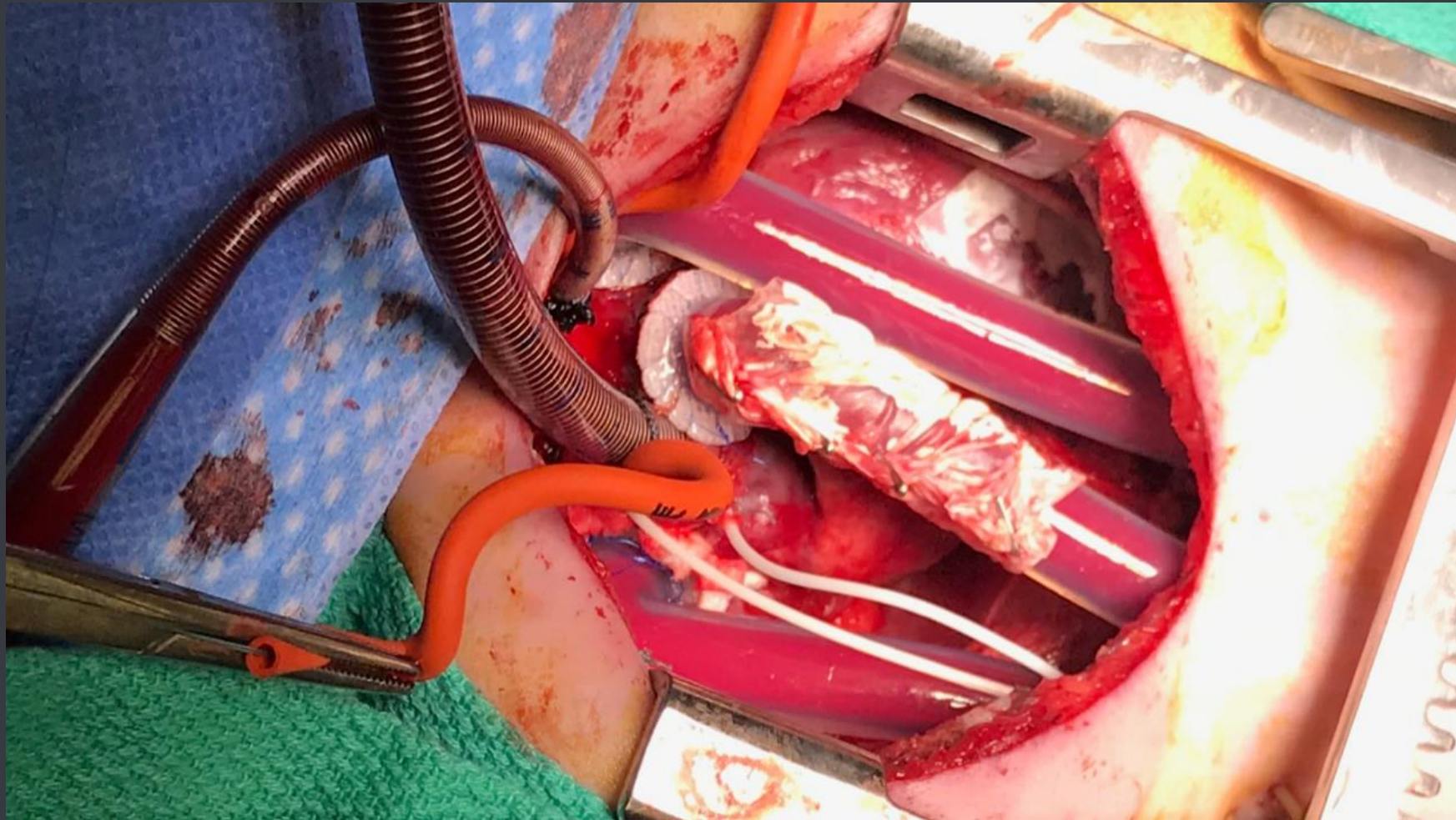
HLHS 2, Platelets + FFP, No Residual Heparin



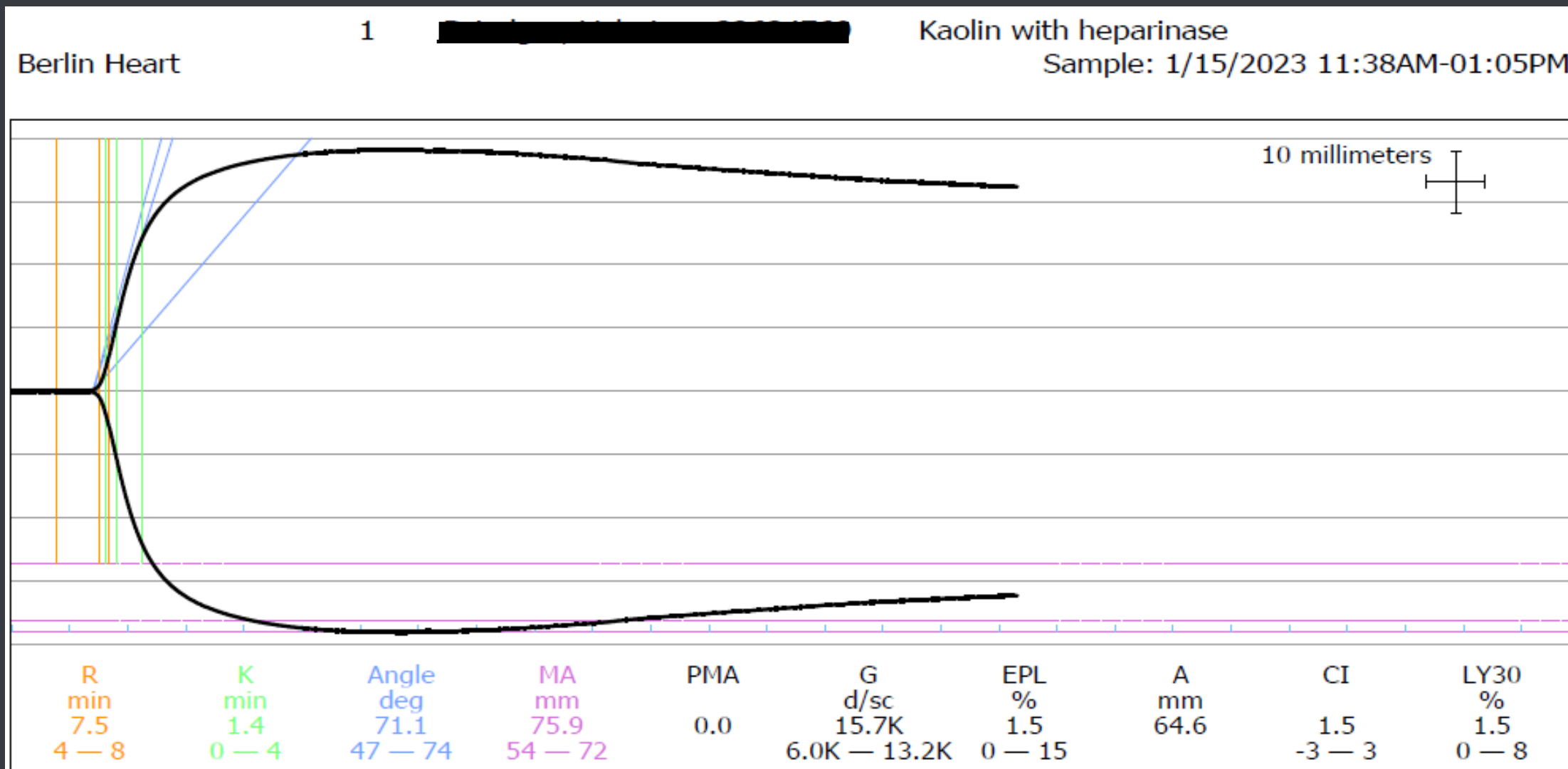
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Berlin Heart, Heparinase









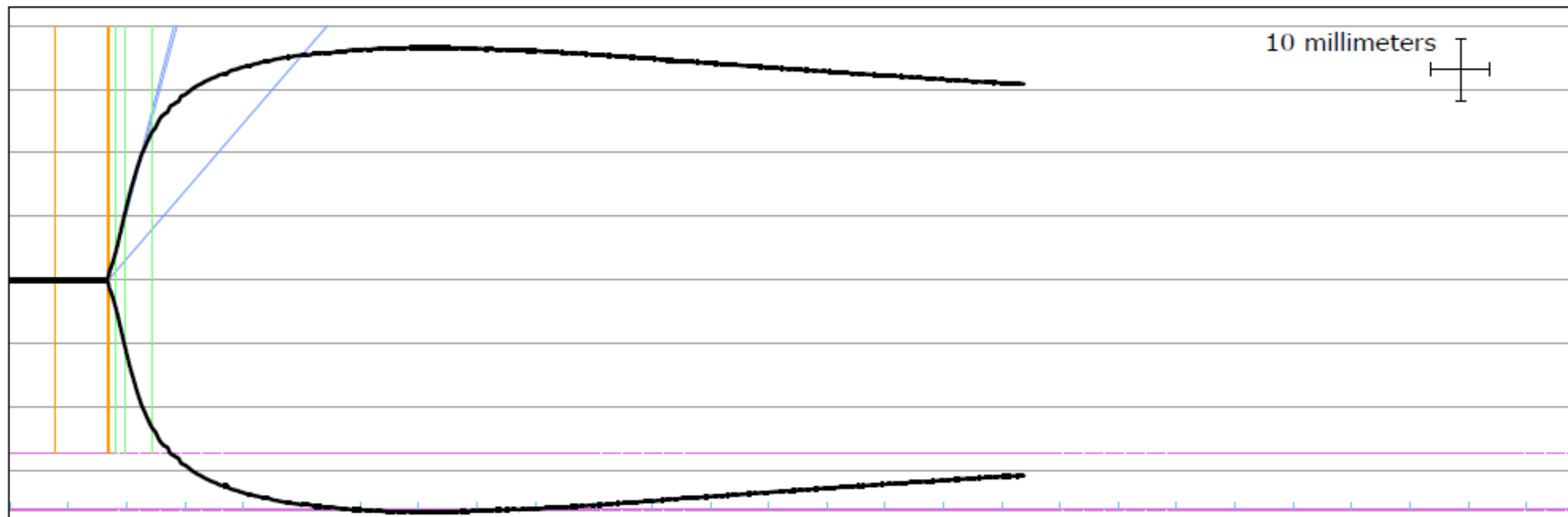
Platelet Mapping, Kaolin and Heparinase

Berlin Heart

1

Kaolin with heparinase

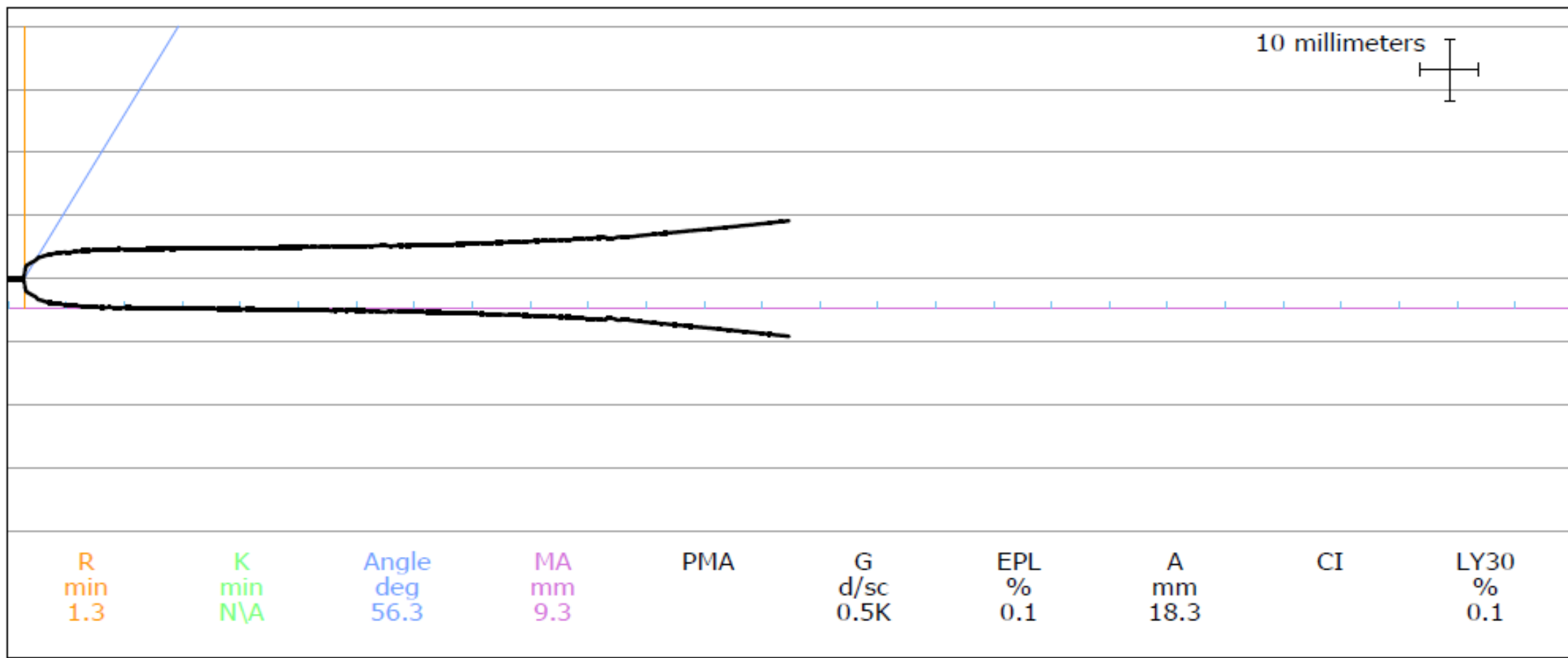
Sample: 1/26/2023 04:01PM-05:28PM



R min	K min	Angle deg	MA mm	PMA	G d/sc	EPL %	A mm	CI	LY30 %
8.4	1.3	74.3	72.1	0.0	13.0K	0.8	61.6	0.7	0.8
4 — 8	0 — 4	47 — 74	54 — 72		6.0K — 13.2K	0 — 15		-3 — 3	0 — 8

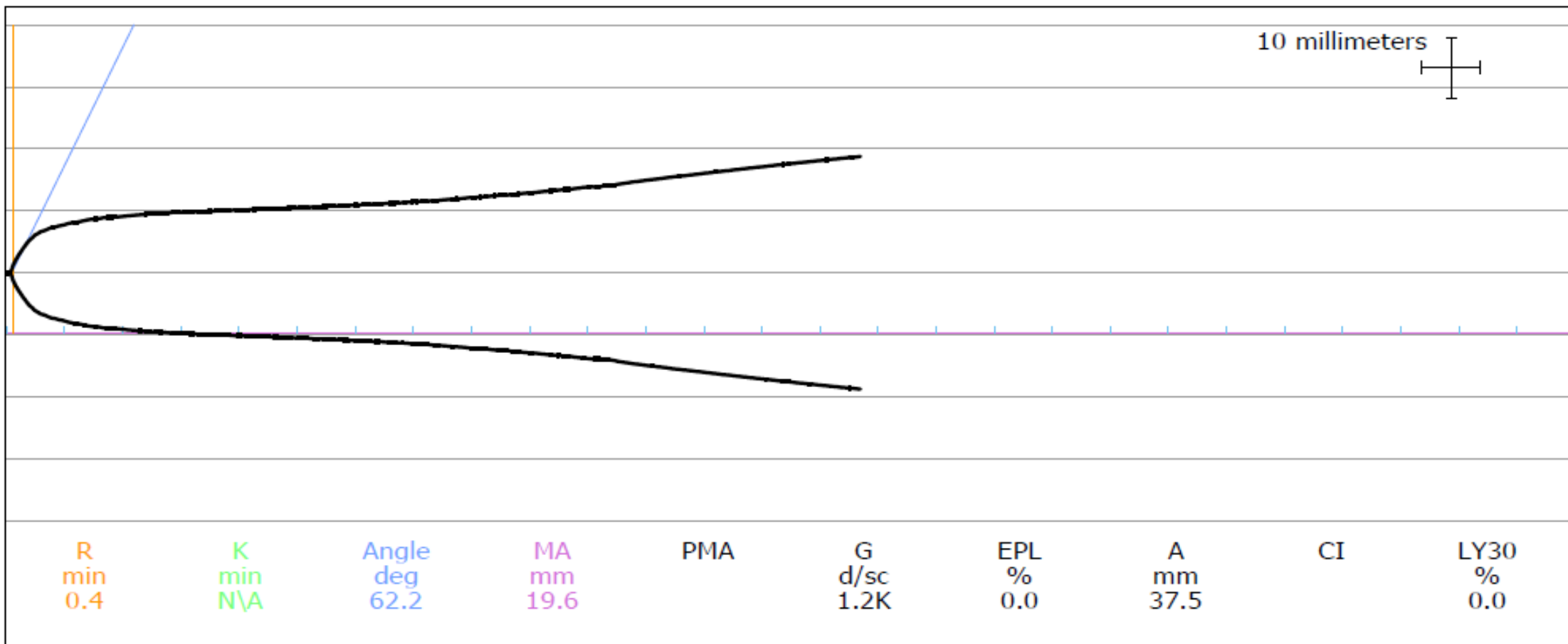
Platelet Mapping, Activator

Platelet Map 2 [REDACTED] Activated
Sample: 1/26/2023 04:05PM-05:13PM



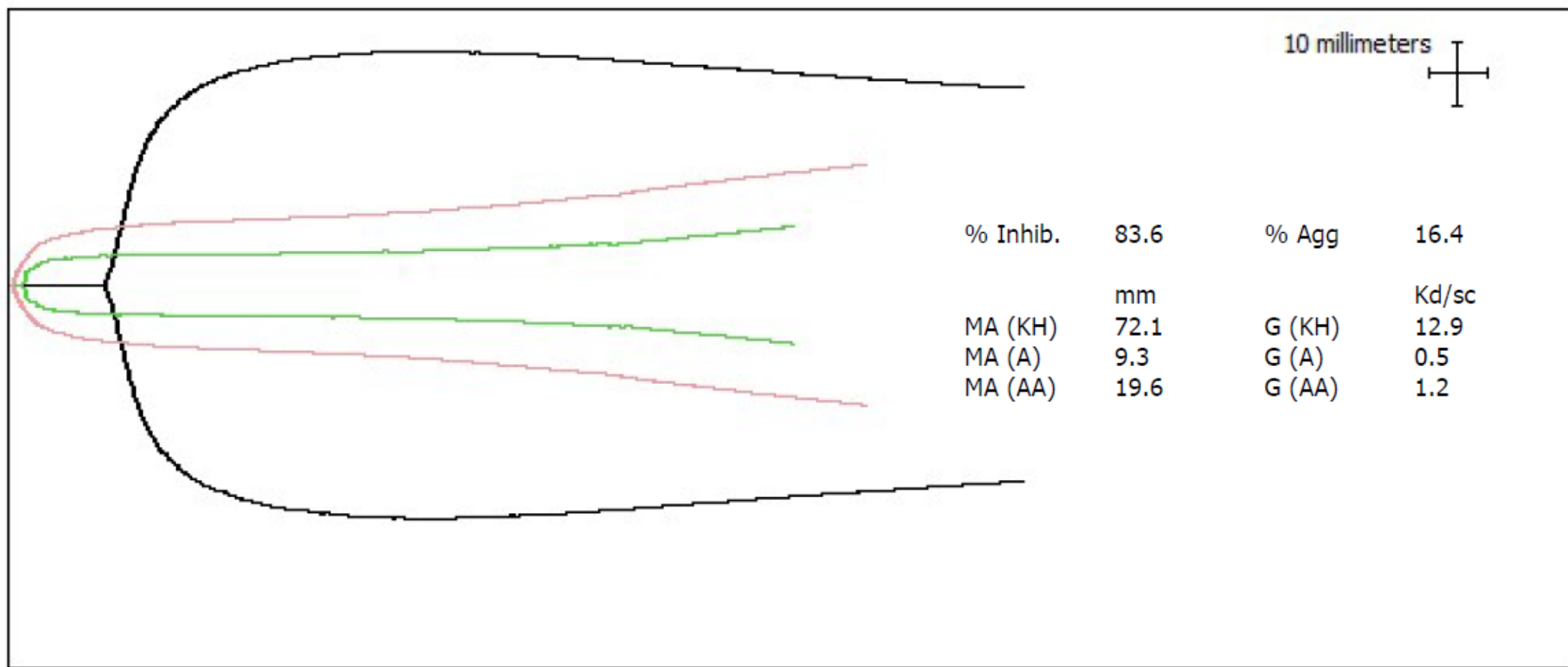
Platelet Mapping, Activator + Arachidonic Acid

Platelet Map 4 [REDACTED] Activated + Arachidonic acid
Sample: 1/26/2023 04:07PM-05:20PM



Platelet Mapping, Inhibition Calculation

% inhibition: 83.6

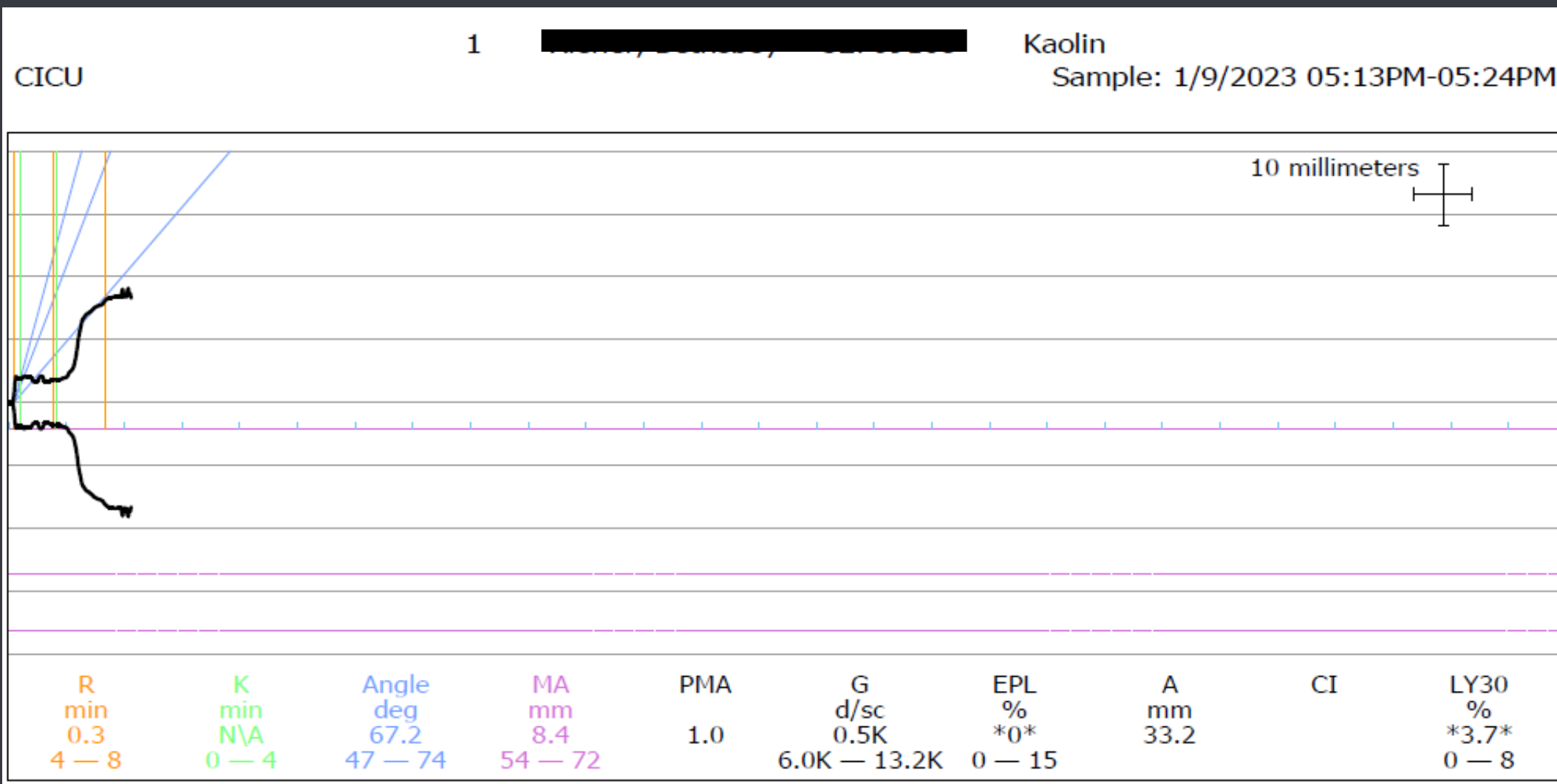


Objectives

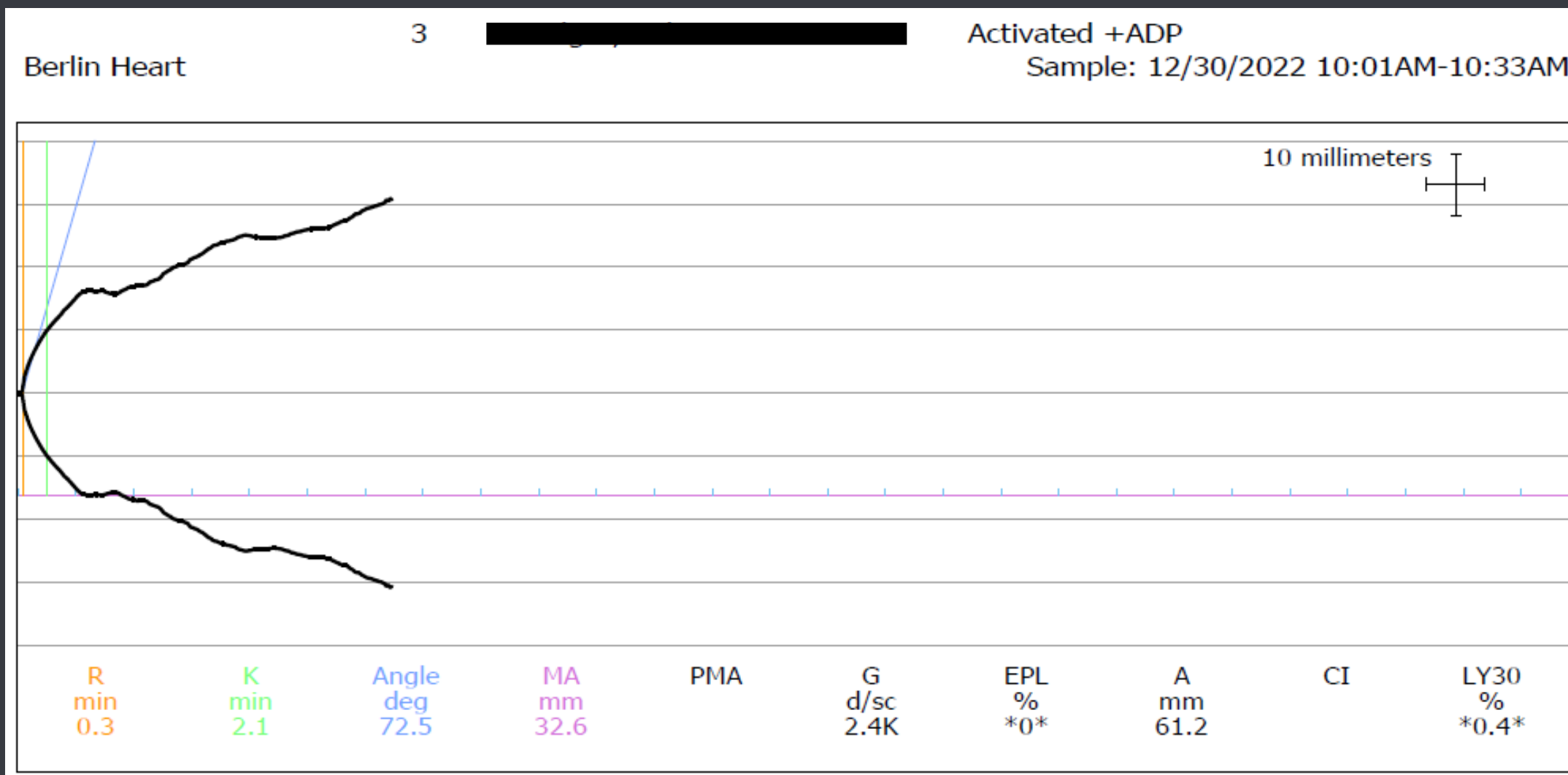
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Bloopers, Kaolin Edition



Bloopers, Platelet Map Edition

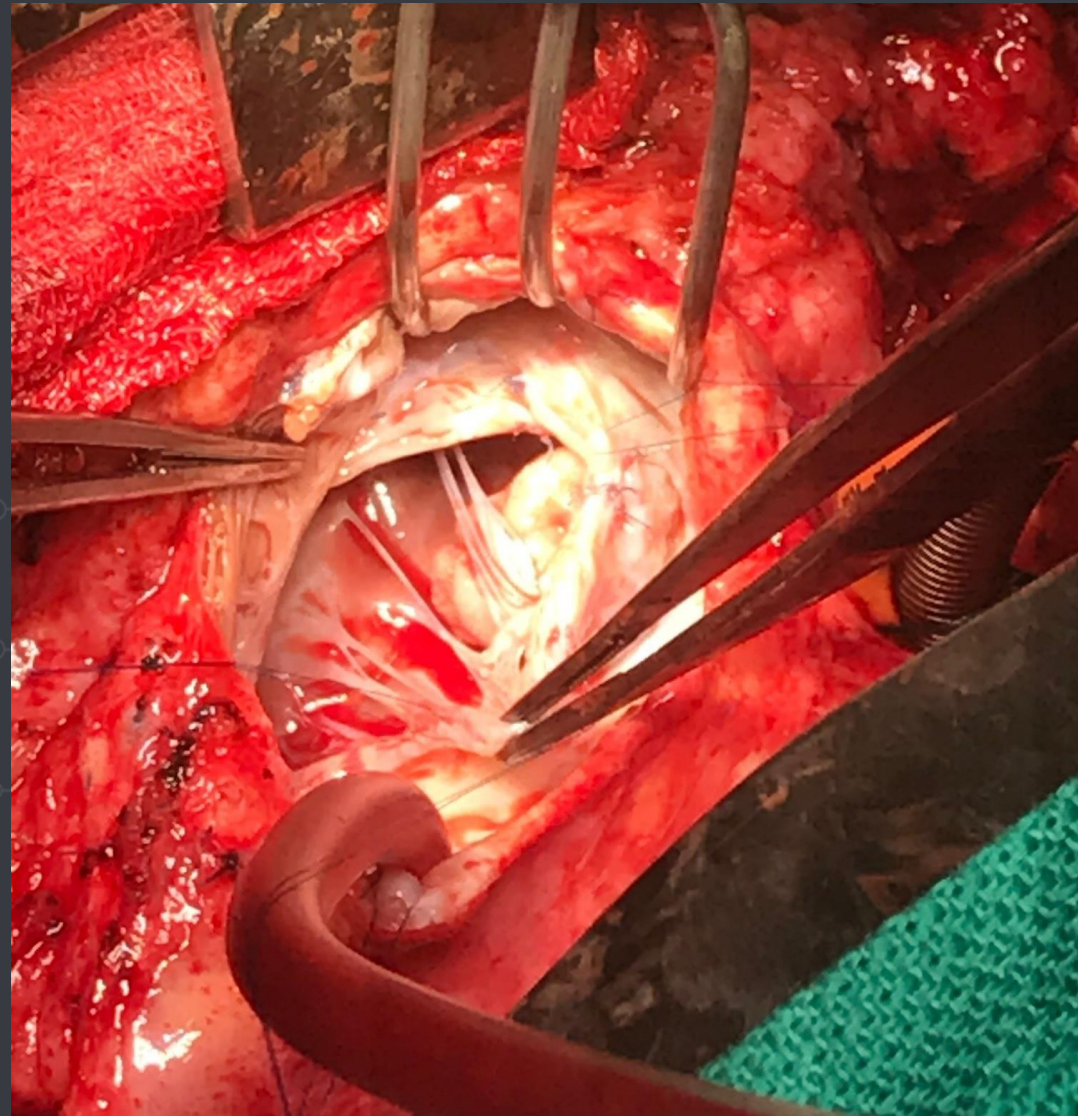




REBEKAHS FIRST DAY OF KINDERGARTEN



Sent by her Aunt in gratitude for the care she received
in the Cardiac Center







POINT OF CARE MIDDLEWARE

Make Your Middleware Work For You

Danyel Olson, MT (ASCP), CPP
Point of Care Coordinator, Technical Consultant
Children's MN

Financial Disclosures

- Employed by Children's Healthcare (Children's Minnesota)
- No other financial disclosures

Children's Minnesota

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Objectives

- After participating in this session, attendees should be able to define their current operator management process.
- After participating in this session, attendees should be able to describe how an interfaced POC middleware can simplify the training and competency process.
- After participating in this session, attendees should be able identify how an interfaced operator management system can save time and reduce errors.



Children's[®]
MINNESOTA
The Kid Experts[™]



POC at Children's MN

- 2 hospitals, 5 specialty clinics, 1 off-site NICU, 1 ambulatory surgery and imaging center
- 100+ POC devices
- 3 waived device types, 2 waived manual tests
- 1 PPM test
- 3 moderately complex device types
- Approximately 2000 operators



What's interfaced?

- Everything! Direct or through manual result entry system
- 45 testing locations on multiple campuses
- 141 devices
- eLearning interface from our LMS/HRIS



Operator Management Background

- Three systems had information needed to manage operators
 - learning management system (LMS)
 - human resource information system (HRIS), provides employment status updates
 - Point of care middleware which houses the information needed to recertify operators and send operator lists to POCT devices
- Daily report from the LMS/HRIS
 - staff who completed POC online learning day prior
 - new hires, name changes, departmental moves and terminations
 - all this info was manually entered into POC middleware

Competency Background

- Annual process after competency fair
 - Manually match up elearn completion report to competency fair completion report
 - Manually update each operator in POC middleware
 - Manual updates of all operators for each of their competencies estimated to take **39 eight hour days of time**

Device	Number of operators	Minutes to update
ACT	83	415
AVOX	20	100
DCA	54	270
Hemocue	324	1620
i-STAT	356	1780
Ketostix	225	1125
Rapid Trichomonas	27	135
Nova StatStrip	1800	9000
Rapid Streptococcus	277	1385
Urine Pregnancy	540	2700
Uristix	32	160
Wetprep	5	25
Totals	3743	18715

Problems

- ERRORS!
 - Erroneous updates creating inaccurate information, rework and lost time
 - Inadvertently locking out operators on devices resulting in slowed patient care
 - Unwieldy processes for confirming name changes, departures and new employee assessments
 - Extreme amounts of paperwork making inspection procedures time consuming and inefficient



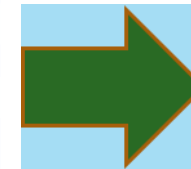
Solutions

- 2015 Elearn interface development in conjunction with POC middleware provider
- One home to store training and competencies completed, operator testing performed, and employee demographics.



Interface Process

Col	Record.Fieldname	Format	Ord	XLAT	Agg	Heading Text	Add Criteria	Edit	Delete
1	N.C_BADGE_NUM - Bar Code #	Char15				Operator ID		Edit	-
2	D.LM_HR_EMPLID - EmplID	Char11				External ID		Edit	-
3	E.LAST_NAME - Last Name	Char30				Operator Last Name		Edit	-
4	E.FIRST_NAME - First Name	Char30				Operator First Name		Edit	-
5	''	Char30				Operator Middle Initial		Edit	-
6	M.LM_EMAIL_ADDR - Email Address	Char70				Operator Email		Edit	-
7	''	Char100				Active Directory Account		Edit	-
8	I.LM_JOBCD_DESCR - Job Code Description	Char50				Operator Title		Edit	-
9	'12'	Char2				Operator Hire Month		Edit	-
10	''	Char2				Operator Birth Month		Edit	-
11	CASE WHEN K.LM_HR_DEPTID LIKE '21%' THEN 'STP' ELSE 'MIN' END	Char3				Facility		Edit	-
12	K.LM_HR_DEPTID - Department ID	Char10				Department		Edit	-
13	TO_CHAR ((TO_DATE(ALM_COMPL_DT,'YYYY-MM-DD'),'MMDDYYYY'))	Char10				Activity Completion		Edit	-
14	CASE WHEN A.LM_STTS = 'COMP' THEN 'P' ELSE 'F' END	Char1				Activity Status		Edit	-
15	G.LM_OBJV_SDESC - Short Description	Char10				Activity ID		Edit	-
16	CASE WHEN V.LM_ACTIVE = 'N' THEN TO_CHAR ((TO_DATE(V.EFFDT,'YYYY-MM-DD'),'MMDDYYYY')) ELSE '' END	Char8				Inactivate Date		Edit	-



FIELD NEEDED

Operator ID

External ID

Operator Last Name

Operator First Name

Operator Middle Initial

Operator Email

Active Directory Account

Operator Title

Operator Hire Month

Operator Birth Month

Facility

Operator Management

- Daily at 10 AM
- Automatically adds new operators
- Automatically inactivates existing operators
- Automatically updates operator demographics - name and facility/location changes
- Ready and waiting for activation
- Includes employees and travelers
- ZERO hands on time!

Configuration Detail - Operator - 164926	
Definition	Certification History Certification Requirements Testing Privileges Documents Notes
Code	164926
Audit Initials	
First Name	test
Middle Initial	
Last Name	test
Facility / Location	MIN/LSU
Email Address	test@childrensmn.org
Active Directory Account	
QML Application Login	
QML Password	
Change QML Password Next Login	No
QML Security	None
QML Login Locked	No
User Assigned Locations	All Facilities/Locations
Host Operator Code	
Title	Staff RN (BS Degree) Mpls
License	
Birth Month	
Hire Month	December
Hire Year	
Hire Date	
Parameter Edit	None
Status	Active
Password Last Change Date	
Last Updated	5/21/2022 10:00:03 AM
Last Updated By	ELearning
Operator eLearning	System External ID
	PeopleSoft 164926
Operator/Device Parameters	Device Type Device Code Password Authority Level
Device Type	Certification Due

5/10/2022 10:00:04 AM	ELearning	No		Edit Title from Clinical Support Associate to Staff RN (Assoc Degree) Mpls.
5/10/2022 10:00:04 AM	ELearning	No		Edit Last Updated By from 26541 to ELearning.
5/10/2022 10:00:04 AM	ELearning	No		Edit Email Address from [REDACTED]@childrensmn.org.
5/10/2022 10:00:04 AM	ELearning	No		Edit Facility / Location from STP/EDS to MIN/EDM.
5/10/2022 10:00:04 AM	ELearning	No		Edit Status from Inactive to Active.

Training and Activation - waived

2022 POCT New Employee - NOVA Stat Strip Glucometer Training

You can view further details about the Class by selecting the various links. You can add the class to your Learning Plan by selecting the Add to Plan button.

Class Code	2022-23-1	Class
Type	eLearning (Self-Paced)	
Price Per Seat	--	Drop
Enrollment Status	In-Progress	Confirmation
Start Date	12/22/2021	
Last Enrollment Date	--	Last D

Overview [Objectives Met](#) [Schedule](#) [Prerequisites](#) [Not](#)

Description POCT New Employee - NOVA Stat Strip Glucometer Training

Class Syllabus

To receive credit for this class you must complete all required tasks.

- 2022 POCT New Employee - NOVA Stat Strip Glucometer Training**
 Required Test
 (Duration : 25 Mins)
- Demonstrate NOVA Stat Strip Competency**
 Required Assignment

TRAINER
EMAILS POC



Configuration Detail - Operator - 167687						
Profile Name	Date Entered	Date Taken	Certification Competency	Quiz Name	Outcome	Trainer
StatStrip	5/21/2022 10:00:03 AM	5/20/2022 12:00:00 AM	StatStrip		Pass	ELearning



Add Testing Privileges

Device Type and Location Selection

- Device Types
 - DCAVantage
 - iSTAT 1
 - StatStrip
 - ChildrensMN
 - ChildrensSP
 - MTKA



Device Test Type Certification Profiles		Operator Certification																			
<input checked="" type="checkbox"/> Device Test Type	<input type="checkbox"/> ACT	Certified On	5/22/2022																		
<input type="checkbox"/> ACT Pump	<input type="checkbox"/> AVOX1000E	Trainer	test																		
<input type="checkbox"/> DCAVantage	<input type="checkbox"/> Hb201DM	Next Due Override for All																			
<input type="checkbox"/> iSTAT 1	<input checked="" type="checkbox"/> StatStrip	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> <th>Facility</th> <th>Device</th> <th>Date Due</th> <th>First</th> <th>Last</th> <th>Next Due</th> <th>Certification Status</th> </tr> </thead> <tbody> <tr> <td>167687</td> <td></td> <td>MIN</td> <td>StatStrip</td> <td>Unknown</td> <td></td> <td></td> <td>12/31/2022</td> <td></td> </tr> </tbody> </table>		Code	Name	Facility	Device	Date Due	First	Last	Next Due	Certification Status	167687		MIN	StatStrip	Unknown			12/31/2022	
Code	Name	Facility	Device	Date Due	First	Last	Next Due	Certification Status													
167687		MIN	StatStrip	Unknown			12/31/2022														
<input type="checkbox"/> UHCGP	<input type="checkbox"/> Uristix																				
<input type="checkbox"/> Wet Prep																					

Training and Activation – Moderate

2022 POCT New Employee - iSTAT User Training

You can view further details about the Class by selecting the various link button or add the class to to your Learning Plan by selecting the Add to

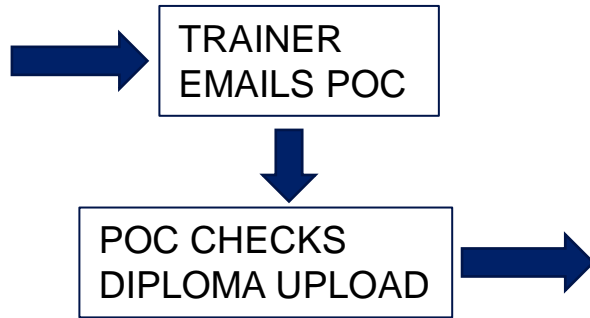
Class Code 2022-27-1
 Type eLearning (Self-Paced)
 Price Per Seat --
 Enrollment Status Enrolled
 Start Date 12/22/2021
 Last Enrollment Date --

Overview Objectives Met Schedule Prerequisite

Description POCT New Employee - i-STAT User Training

Class Syllabus
 To receive credit for this class you must complete all required tasks.

- 2022 POCT New Employee - iSTAT User Training**
 Required Test
 (Duration : 25 Mins)
- Demonstrate iSTAT User Competency**
 Required Assignment



Add Testing Privileges

Device Type and Location Selection

- Device Types
 - DCAVantage
 - iSTAT 1
 - MIN
 - STP
 - StatStrip

Status
 1 operators selected.

Code	Name	Facility
LIS	LIS, LIS	

Certify Operator

Device Test Type Certification Profiles

- Device Test Type
 - ACT
 - ACTPump
 - AVOX1000E
 - DCAVantage
 - Hb201DM
 - iSTAT 1
 - StatStrip
 - UHCGP
 - Uristix
 - Wet Prep

Operator Certification
 Certified On 5/22/2022 Trainer test Next Due

Certify				Note			
Code	Name	Facility	Device	Date Due	First	Last	Next Due
<input checked="" type="checkbox"/>	LIS	LIS, LIS	iSTAT 1	Unknown			11/30/2022

Competency Management

- “Normal” year – 6 Elements
 - ❖ Elearn course auto assigned based on job code – includes link to procedure review, critical thinking/problem solving questions
 - ❖ Direct Observation/blind sample/problem solving – at annual competency fair station
 - ❖ Monitoring of test results, QC, maintenance, etc performed on a continual basis – issues addressed and documented in middleware as necessary
- Elearn pass and Comp Fair PASS feed into middleware via elearn interface

ACT	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
ACTPump	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
Uristix	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
UHCGP	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
StatStrip	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
iSTAT 1	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
Hb201DM	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
DCAVantage	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
AVDX1000E	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPOCT		Pass	ELearning
StatStrip	10/20/2017 12:00:00 AM	10/19/2017 12:00:00 AM	StatStrip		Pass	ELearning

Competency Management

- Parameters can be set for each device type
 - Elearn courses
 - Patient tests
 - QC tests
- Define # of days to begin searching for requirements - Ex. 30 days prior to expiration
- Add patient or QC tests required
- Can exclude testing errors from the count
- Set number of months for new certification date

Configuration Detail - Device Type Certification Requirements - StatStrip/StatStrip									
Definition		Notes							
Device Type	StatStrip								
Profile Name	StatStrip								
Facility Type	All Facilities								
Auto Recertification	Recertify								
Start Before (days)	30								
Initial Certification Interval (months)	12								
Number of initial intervals (0-12)	0								
Certification Interval (months)	12								
Extension (days)	30								
Recertification Target	Hire month								
Certification Expires On	Last day of month								
QC Levels Required	0								
Patient Count (days)	180								
Quality Control Count (days)	180								
Calculation Extension (Months)	0								
Status	Active								
Last Updated	12/2/2019 2:46:30 PM								
Last Updated By	26541								
Requirements									
Competency	Abbreviation	Days	Require ID	Require Date	Quiz?	Entry Method	Data Source		
StatStrip	SS	365	Yes	Yes	Yes	Automated	PeopleSoft		
COMPPOCT	COM	365	Yes	Yes	Yes	Automated	PeopleSoft		
Sample Requirements									
Record Type	Level	Minimum							
Patient		0							
Quality Control	0	0							
Quality Control	1	0							
Quality Control	2	0							
Quality Control	3	0							
Quality Control	4	0							
Quality Control	5	0							
Quality Control	6	0							
Quality Control	7	0							
Sample Exclusions									
Device Comment / Message Text									
Name									
Facility									

Competency Management

Configuration Detail - Device Type Certification Requirements - iSTAT 1/iSTAT 1							
Definition	Notes						
Device Type	iSTAT 1						
Profile Name	iSTAT 1						
Facility Type	All Facilities						
Auto Recertification	Recertify						
Start Before (days)	30						
Initial Certification Interval (months)	6						
Number of initial intervals (0-12)	2						
Certification Interval (months)	12						
Extension (days)	30						
Recertification Target	Five month						
Certification Expires On	Last day of month						
QC Levels Required	0						
Patient Count (days)	180						
Quality Control Count (days)	180						
Calculation Extension (Months)	0						
Status	Active						
Last Updated	12/2/2019 2:46:10 PM						
Last Updated By	26541						
Requirements							
Competency	Abbreviation	Days	Require ID	Require Date	Quiz?	Entry Method	Data Source
iSTAT 1	IST	365	Yes	Yes	Yes	Automated	PeopleSoft
COMFPOCT	COM	365	Yes	Yes	Yes	Automated	PeopleSoft
Sample Requirements							
Record Type	Level	Minimum					
Patient		0					
Quality Control	0	0					
Quality Control	1	0					
Quality Control	2	0					
Quality Control	3	0					
Quality Control	4	0					
Quality Control	5	0					
Quality Control	6	0					
Quality Control	7	0					
Sample Exclusions	Device Comment / Message Text						
Quiz Information	Name						
Facilities	Facility						

- Future – Facility driven certifications with different requirements, dates, etc

- Operator meets all parameters?
Automatically updated!

- **Over 2800 annual re-certifications happen behind the scenes**

- **❖ Remember the time savings??**

39 eight hour days



Competency Management - COVID

- No in person competency fair 2020 and 2021
- Adjusted middleware certification requirement to meet new plan
- No observation for waived testing
- Moderate – added observation within elearn and removed Comp Fair requirement in middleware

Class Details

2021 POCT - iSTAT User Competency

You can view further details about the Class by selecting the various link button or add the class to your Learning Plan by selecting the Add to

Class Code	2021-138-1	
Type	eLearning (Self-Paced)	
Price Per Seat	--	
Enrollment Status	Completed	Cor
Start Date	08/23/2021	
Last Enrollment Date	--	

Overview [Objectives Met](#) [Schedule](#) [Prerequisite](#)

Description This course is part of the required annual training and care testing (POCT).

Class Syllabus

To receive credit for this class you must complete all required tasks.

- 1 **2021 POCT - iSTAT User Competency**
Required Test
(Duration : 25 Mins)
- 2 **Demonstrate iSTAT User Competency**
Required Assignment

Inspections

Configuration Detail - Operator - 134713						
Definition	Certification History	Certification Requirements	Testing Privileges	Documents	Notes	
Profile Name	Date Entered	Date Taken /	Certification Competency	Quiz Name	Outcome	Trainer
StatStrip	6/21/2016 12:00:00 AM	6/20/2016 12:00:00 AM	StatStrip		Pass	ELearning
ACT	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
ACTPump	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
Uristix	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
UHCGP	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
StatStrip	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
iSTAT 1	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
Hb201DM	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
DCAVantage	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning
AVOX1000E	9/30/2016 12:00:00 AM	9/29/2016 12:00:00 AM	COMPPDOCT		Pass	ELearning

StatStrip	8/12/2019 12:00:00 AM	8/11/2019 12:00:00 AM	StatStrip		Pass	ELearning
AVOX1000E	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
UHCGP	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
DCAVantage	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
Hb201DM	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
iSTAT 1	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
ACT	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
ACTPump	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
Uristix	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning
StatStrip	10/8/2019 10:00:12 AM	10/7/2019 12:00:00 AM	COMPPDOCT		Pass	ELearning

StatStrip	11/5/2020 10:00:01 AM	11/4/2020 12:00:00 AM	StatStrip		Pass	ELearning
StatStrip	11/26/2021 10:00:03 AM	11/25/2021 12:00:00 AM	StatStrip		Pass	ELearning

ACT	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
ACTPump	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
Uristix	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
UHCGP	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
StatStrip	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
iSTAT 1	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
Hb201DM	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
DCAVantage	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
AVOX1000E	12/12/2017 12:00:00 AM	9/27/2017 12:00:00 AM	COMPPDOCT		Pass	ELearning
StatStrip	10/20/2017 12:00:00 AM	10/19/2017 12:00:00 AM	StatStrip		Pass	ELearning

StatStrip	5/20/2018 12:00:00 AM	5/19/2018 12:00:00 AM	StatStrip		Pass	ELearning
ACT	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
ACTPump	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
Uristix	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
UHCGP	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
StatStrip	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
iSTAT 1	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
Hb201DM	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
DCAVantage	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning
AVOX1000E	10/9/2018 12:00:00 AM	10/8/2018 12:00:00 AM	COMPPDOCT		Pass	ELearning

- Explain our process
- Show elearn content
- Show comp fair/observation process
- Show history in middleware

Children's[®]

MINNESOTA

The Kid Experts[™]