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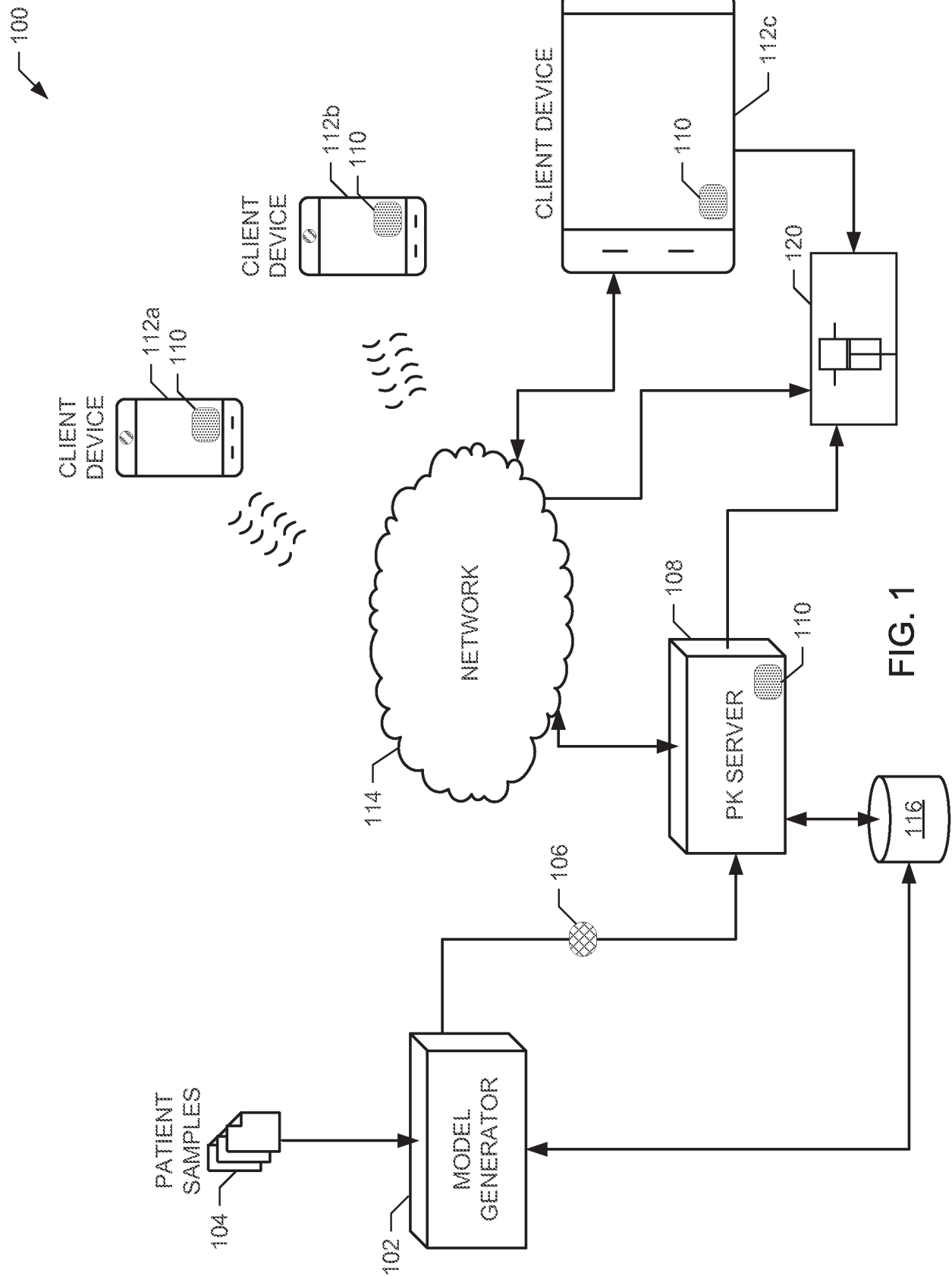


FIG. 1

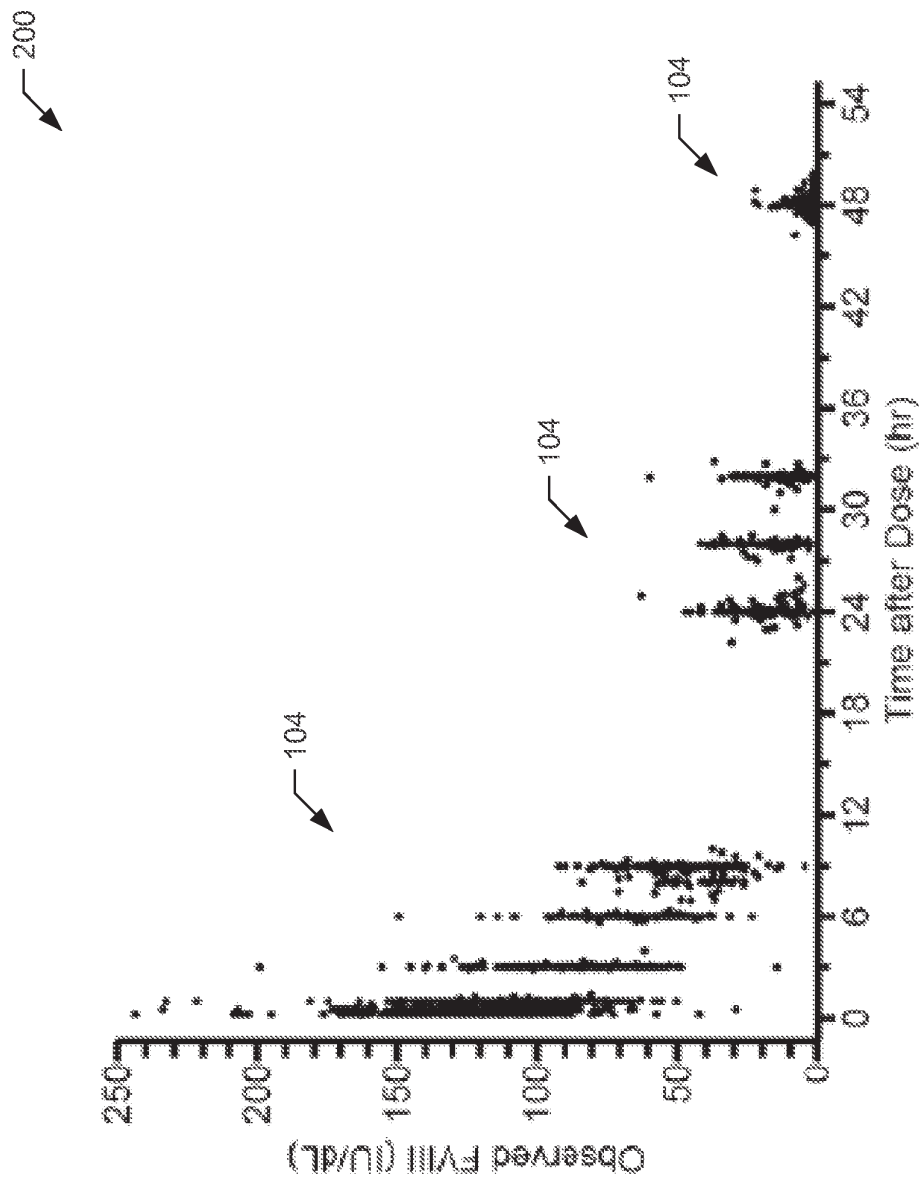


FIG. 2

300

Login

First Name *

Last Name *

Specialty *

Hospital Name

Address *

City *

State *

IL

Zip Code *

Country *

United States

Email *

Repeat Email *

Day Time Phone

Mobile Number

Fax Number

How did you hear about us?

Newspaper

DEA Number *

☐ I confirm that my DEA Number may be used to verify my identity and I am a registered Healthcare Professional *

FIG. 3

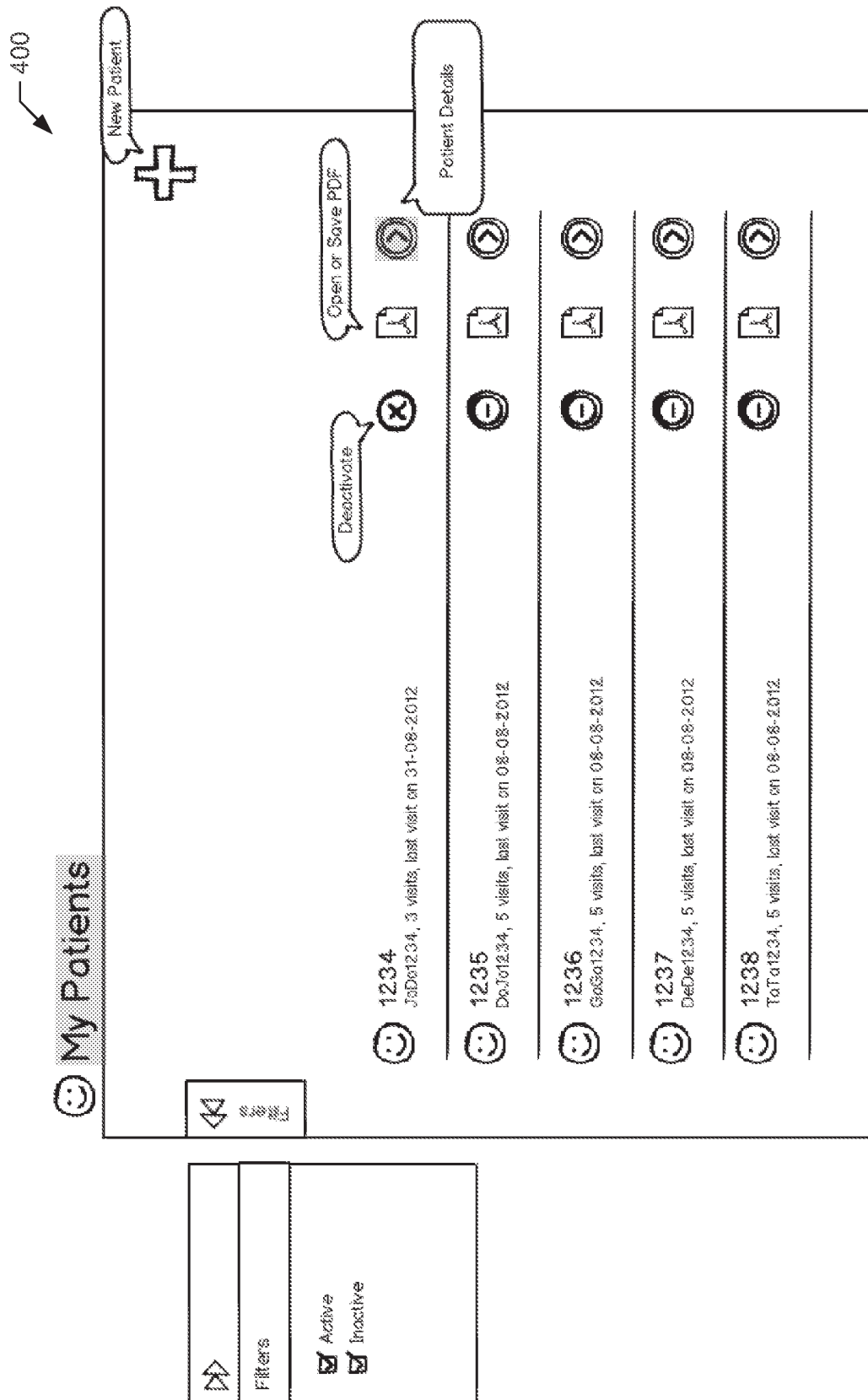


FIG. 4

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500

Visit# A123-004 for Patient JoDo1234 with ID# 1234

General Patient Information			
Patient Name *	JoDo1234	Wash Out	
		Yes No	
Body Weight *	1200 Kg	Pre-Infusion Levels	
Please enter a correct Patient Weight in Kg			
Birth Date *	12/01/1960		
	Age: 0 year 0 month		
		Dose for PK Infusion	IU / Kg
		Date of PK FVIII Infusion	/ / 00:00AM
Next Step			
Patient History			
Calculation			
Dosage			
Visit History			

FIG. 5

600

SAMPLES

Withhold

Yes

No

Pre-infusion PVR Level (U/mL)

PK Assessment	Sample	Last Edit	Collection Date & Time	Hours After	PVR Level(U/mL)	Assay Type	
1	1	06-May-2014 01:47	06-May-2014 10:00	0:00	57.0	One-stage	IncludedExcluded
1	2	06-May-2014 01:47	07-May-2014 10:00	24:00	13.8	One-stage	IncludedExcluded
1	3	06-May-2014 01:47	07-May-2014 10:00	36:00	10.0	One-stage	IncludedExcluded

Add Sample

Reminder: PK profiles should only be generated using the same assay type.

Bayesian Estimate

Clearance (dL/hr/kg)	0.026
Volume in steady state (dL/kg)	0.6
PVR half-life (hours)	11.8
Time to 1% above baseline (hours)	78.0

Next Step

FIG. 6

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100

General Patient Information									
Patient History									
Calculation									
Visit #	Sample #	Collection Date/Time	Observed IU/dl	Theoretical IU/dl	Adjusted IU/dl				
A123-001	01	20-12-2011 8:00am	5	4.86	4.66				
A123-002	01	01-08-2012 8:00am	5	4.86	4.66				
A123-002	02	05-08-2012 8:00am	5	4.83	4.50				
Add sample									
Theoretical			Adjusted		Offset				
Clearance (L/hr)									
vdBeta									
CMax / Peak (IU/dL)									
FVIII half-life (hours)									
Time to 1% (hours)									
Calculate					Next Step				
Dosage									
Visit History									

FIG. 7

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700

General Patient Information					
Patient History					
Calculation					
Visit#	Sample#	Collection Date/Time	Observed IU/dl	Theoretical IU/dl	Adjusted IU/dl
A123-001	01	20-12-2011 8:00am	5	4.86	4.66
A123-002	01	01-08-2012 8:00am	5	4.86	4.66
A123-002	02	05-08-2012 8:00am	5	4.83	4.50
A123-004	01	01-09-2012 8:00am	10	9.86	9.66
Add sample					
			Adjusted	Offset	
Clearance (L/hr)			0.67	0.01	
vdBeta			1186	0	
CMax / Peak (IU/dL)			16.86	3.79	
FVIII half-life (hours)			12.18	-0.11	
Time to 1% (hours)			1.82	0.11	
Calculate					
Next Step					
Dosage					
Visit History					

FIG. 8

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900

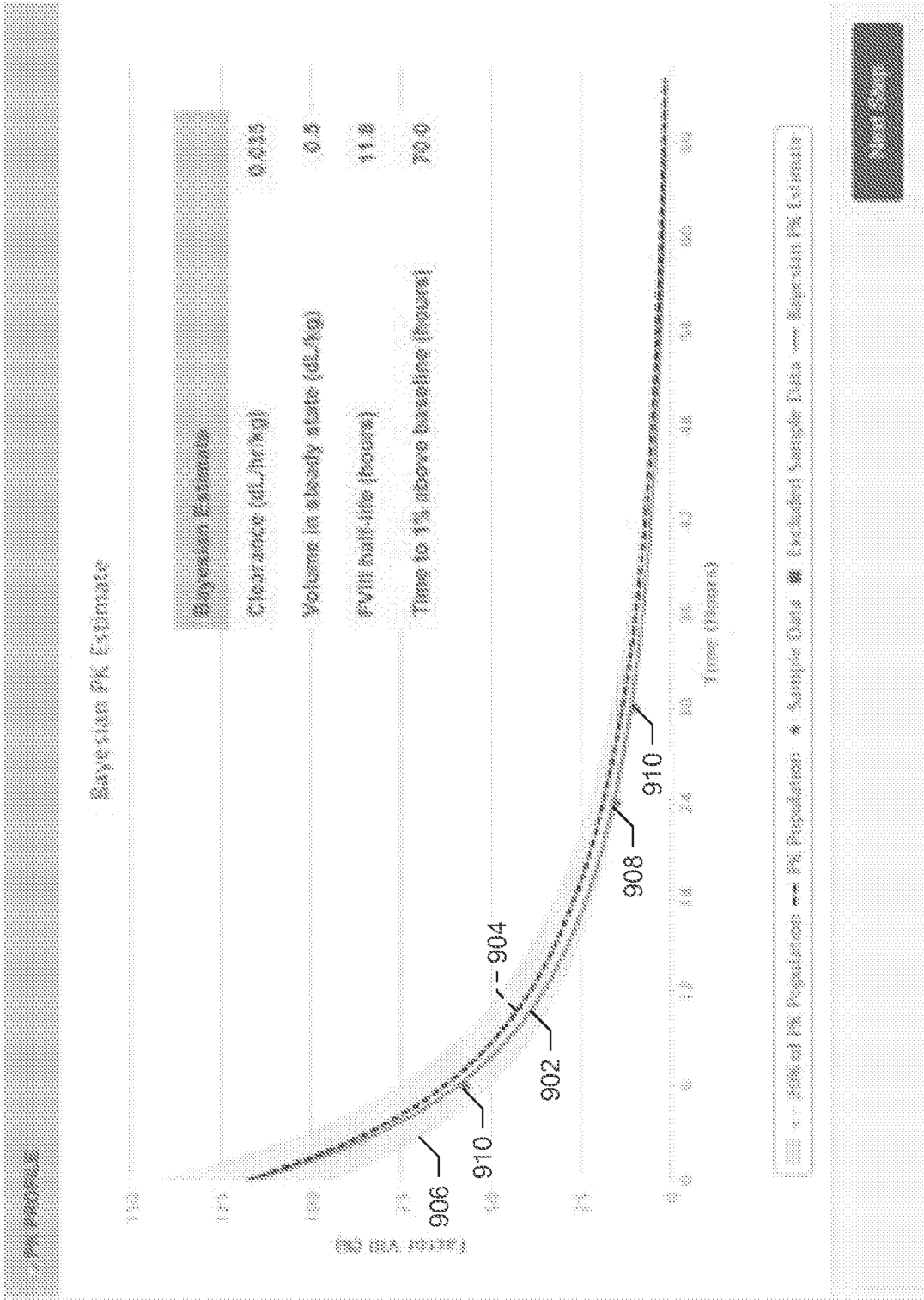


FIG. 9

1000

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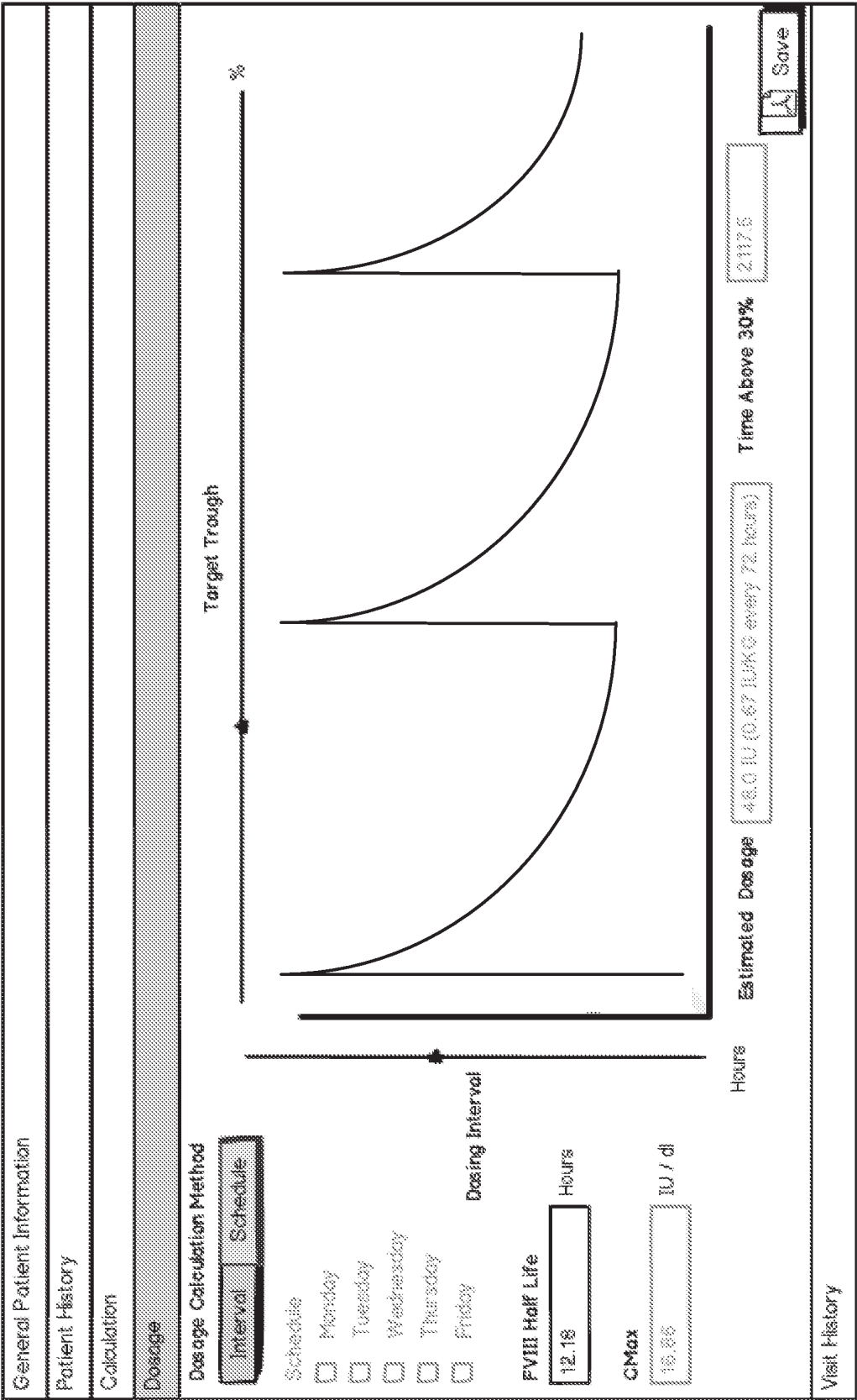
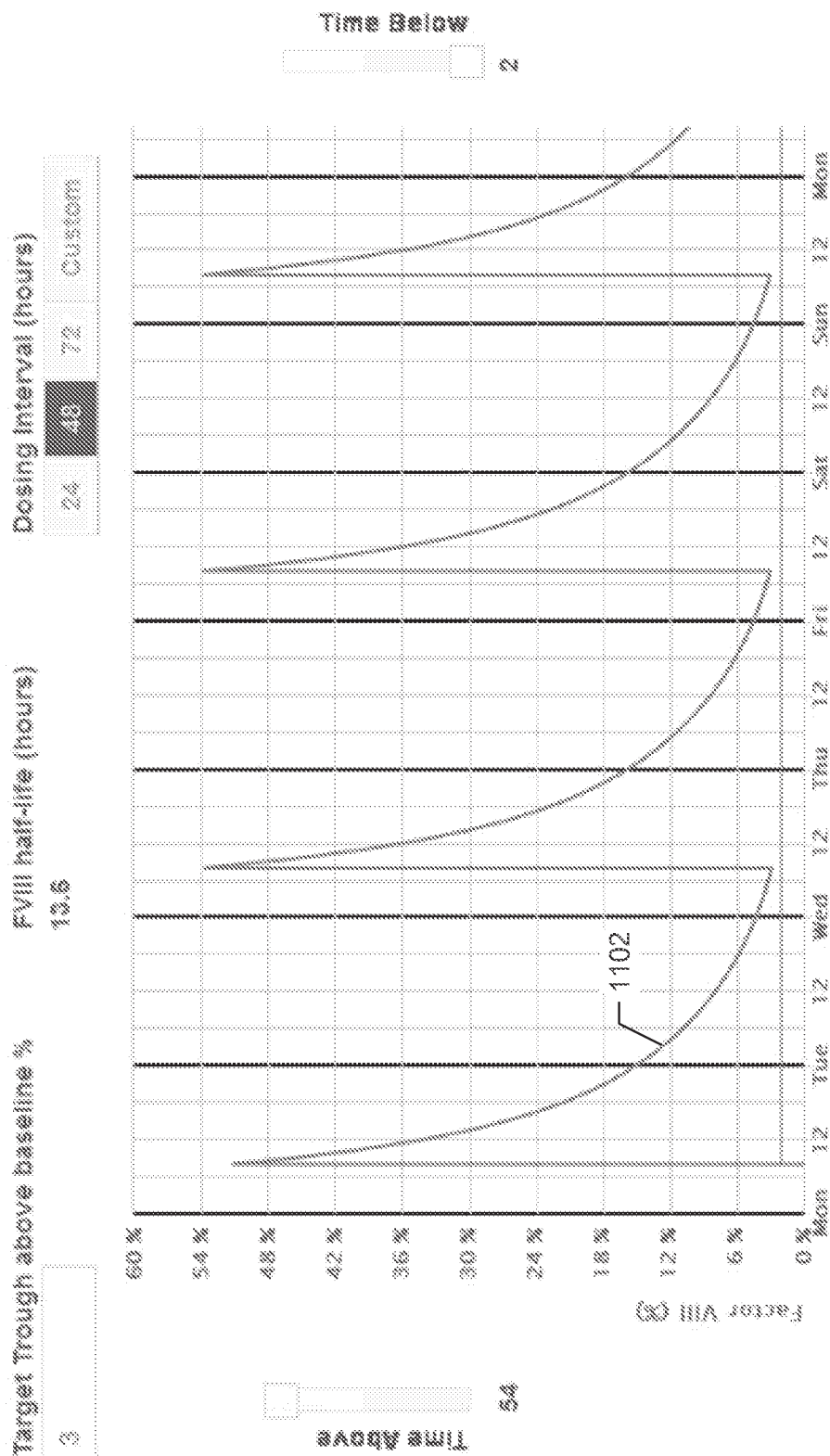


FIG. 10

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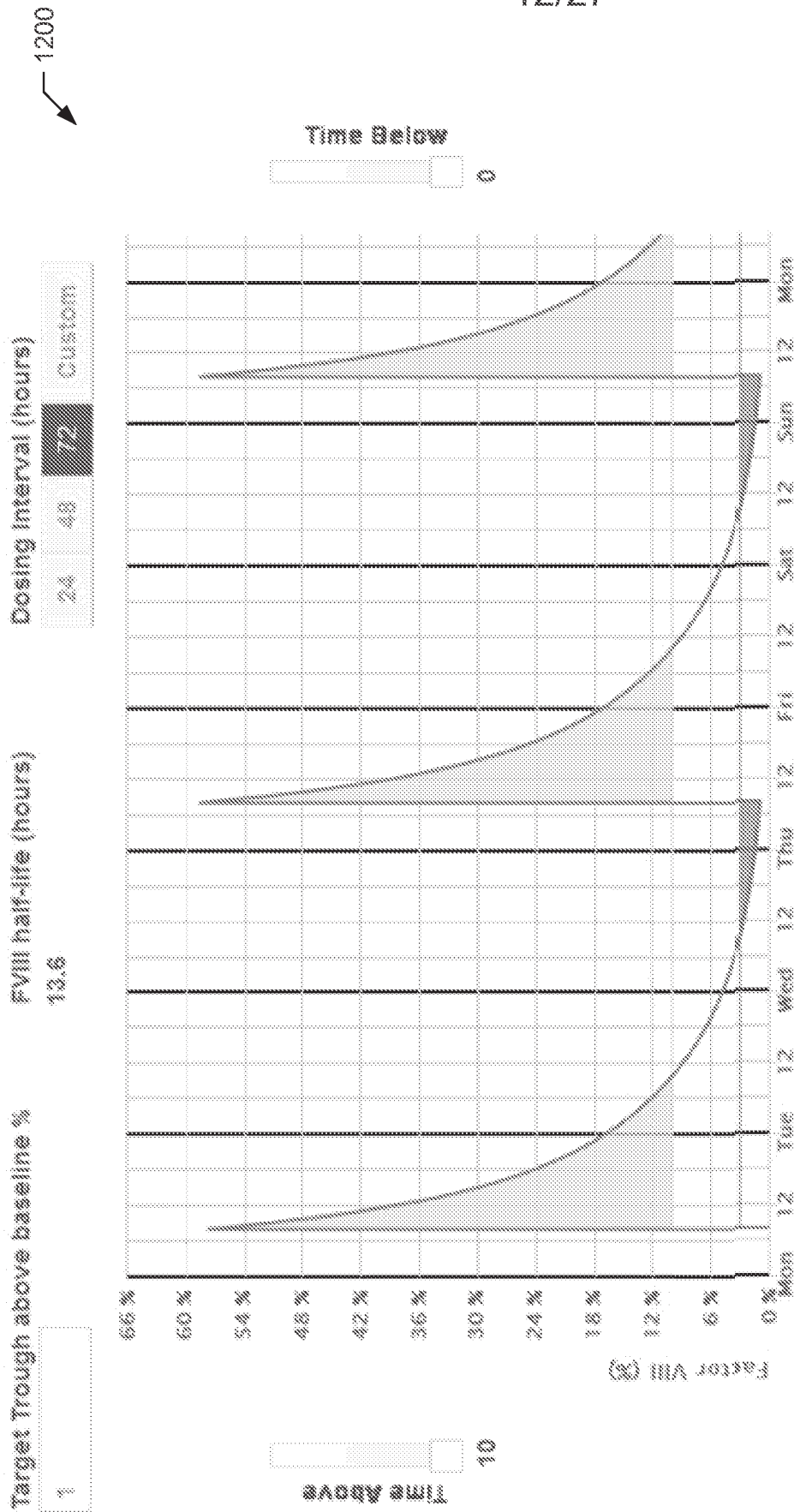
1100



	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Dose IU	1753 IU		1753 IU		1753 IU		1753 IU
Dose IU/kg	22.5 IU/kg		22.5 IU/kg		22.5 IU/kg		22.5 IU/kg

FIG. 11

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	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Dose IU	1978 IU			1978 IU			1978 IU
Dose IU/kg	25.4 IU/kg			25.4 IU/kg			25.4 IU/kg
Time Above 59%							
Time Below 0%							

FIG. 12

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1300

Details for Visit A123-002

Patient Name Jc001234	Current Body Weight 80 Kg	Wash Out ☒ Yes ☐ No	Date for PK Infusion
Birth Date * 12/01/1960	Age: 53 years 2 months 1 day	Pre-Infusion Levels 	Date of PK FVIII Infusion / / 00:00AM

Visit#	Sample#	Collection Date/Time	Observed IU/dl	Theoretical IU/dl	Adjusted IU/dl
A123-002	01	01-08-2012 8:00am	5	4.86	4.66
A123-002	02	05-08-2012 8:00am	5	4.83	4.50

	Theoretical	Adjusted	Offset
Clearance (L/hr)	0.68	0.67	0.01
vdBeta	11.86	11.86	0
CMax / Peak (IU/dL)	20.65	16.86	3.79
FVIII half-life	12.07	12.18	-0.11
Time to 1%	1.93	1.82	0.11

Dosage Calculation Method

Interval ☒ Schedule ☐

Schedule

☐ Monday

☐ Tuesday

☐ Wednesday

☐ Thursday

☐ Friday

Dosing Interval

FVIII Half Life

12.18 Hours

CMax

16.86 IU / dl

Target Trough

Estimated Dosage: 48.0 IU (0.67 IU/kg every 72 hours)

Time Above 30%: 2.1175

FIG. 13

1400

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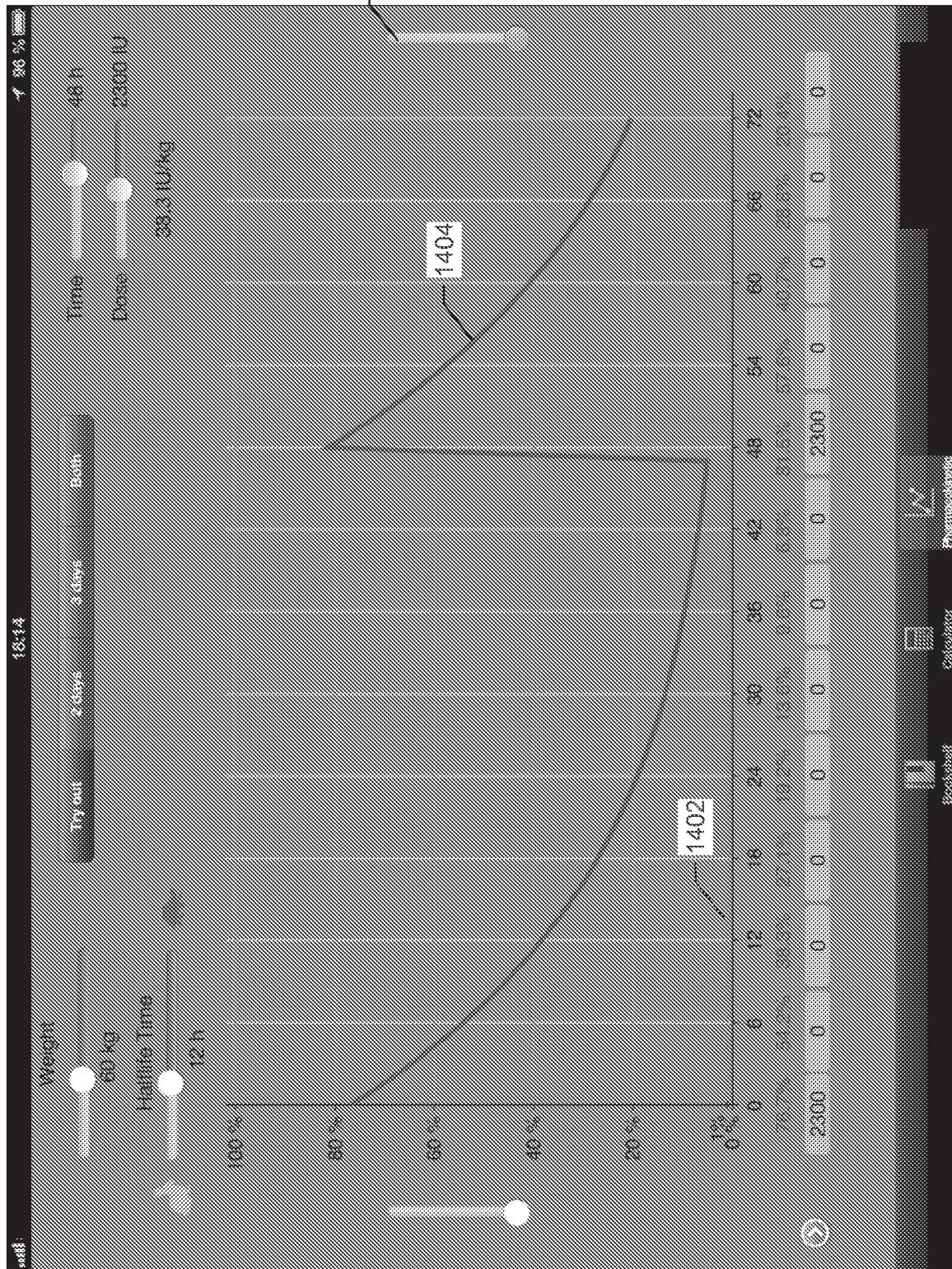


FIG. 14

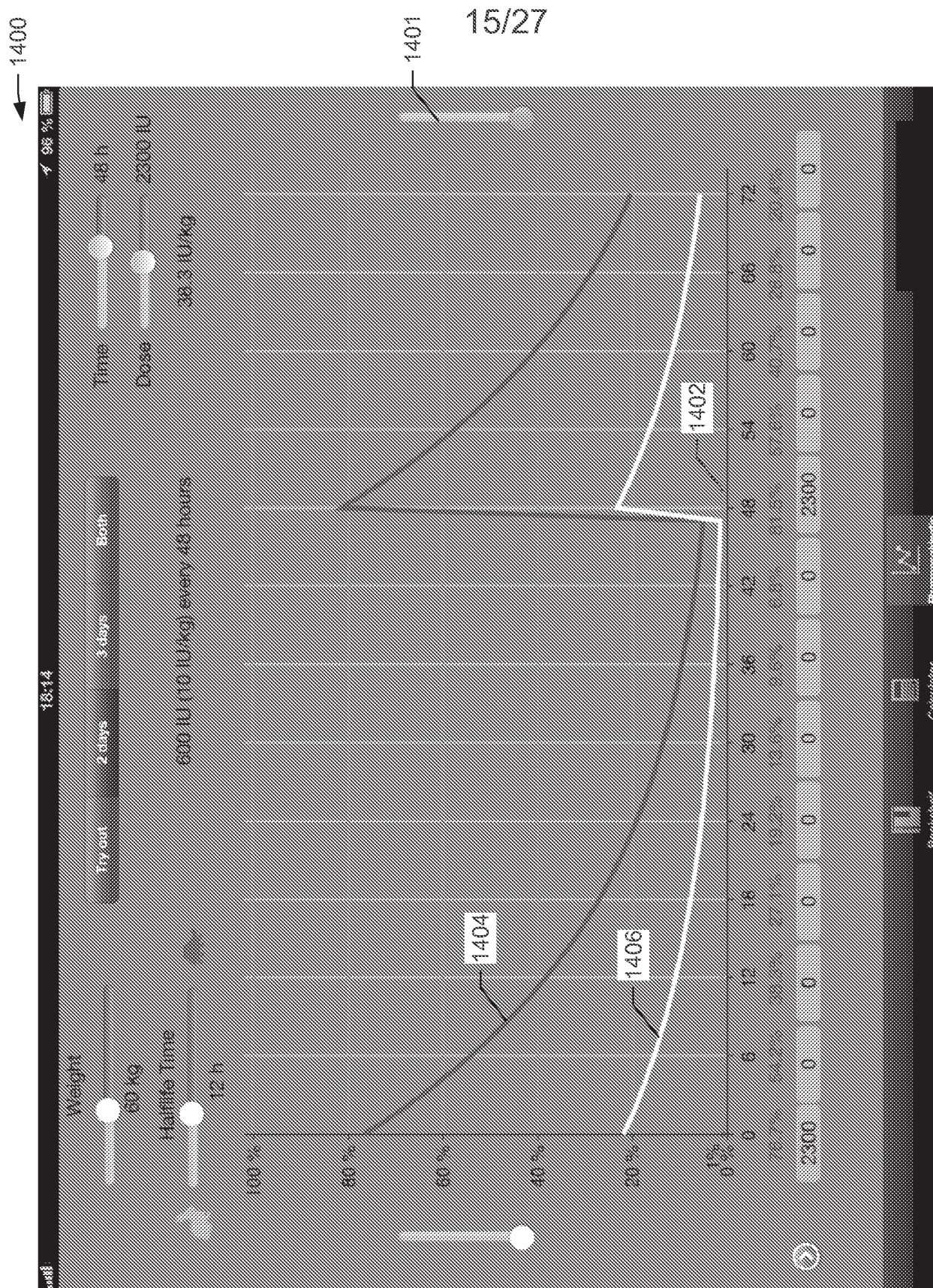


FIG. 15

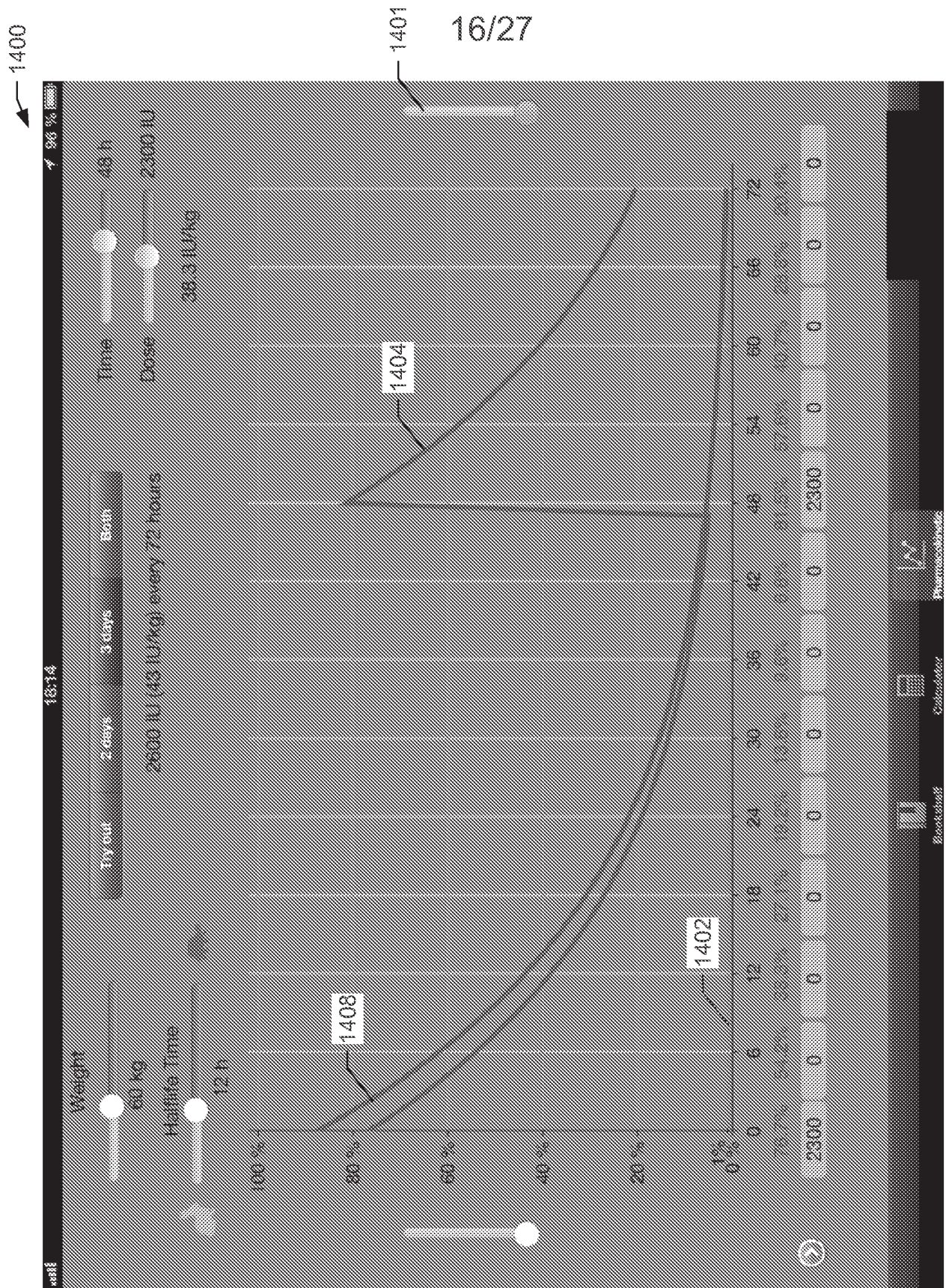


FIG. 16

← 1400

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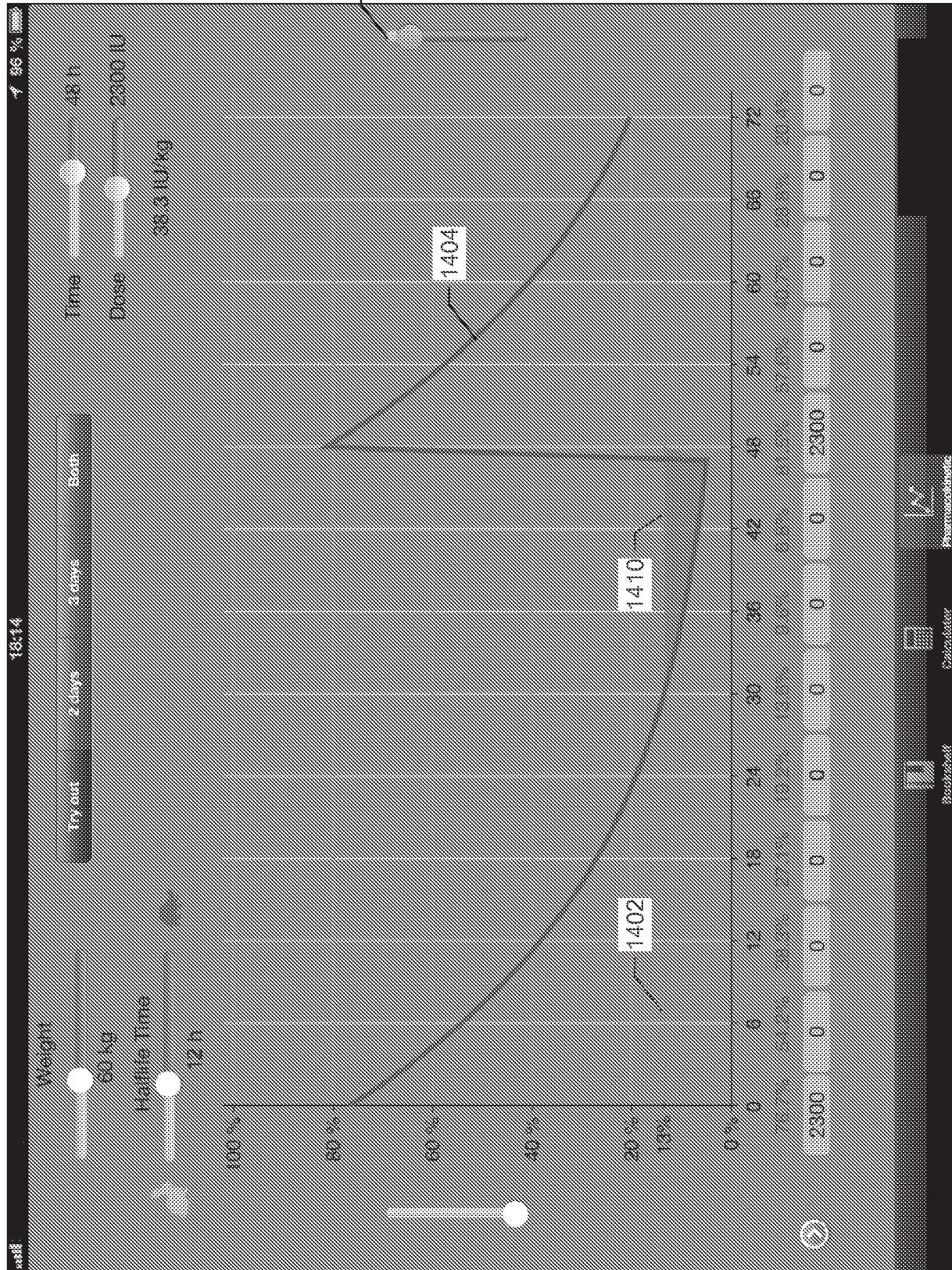


FIG. 17

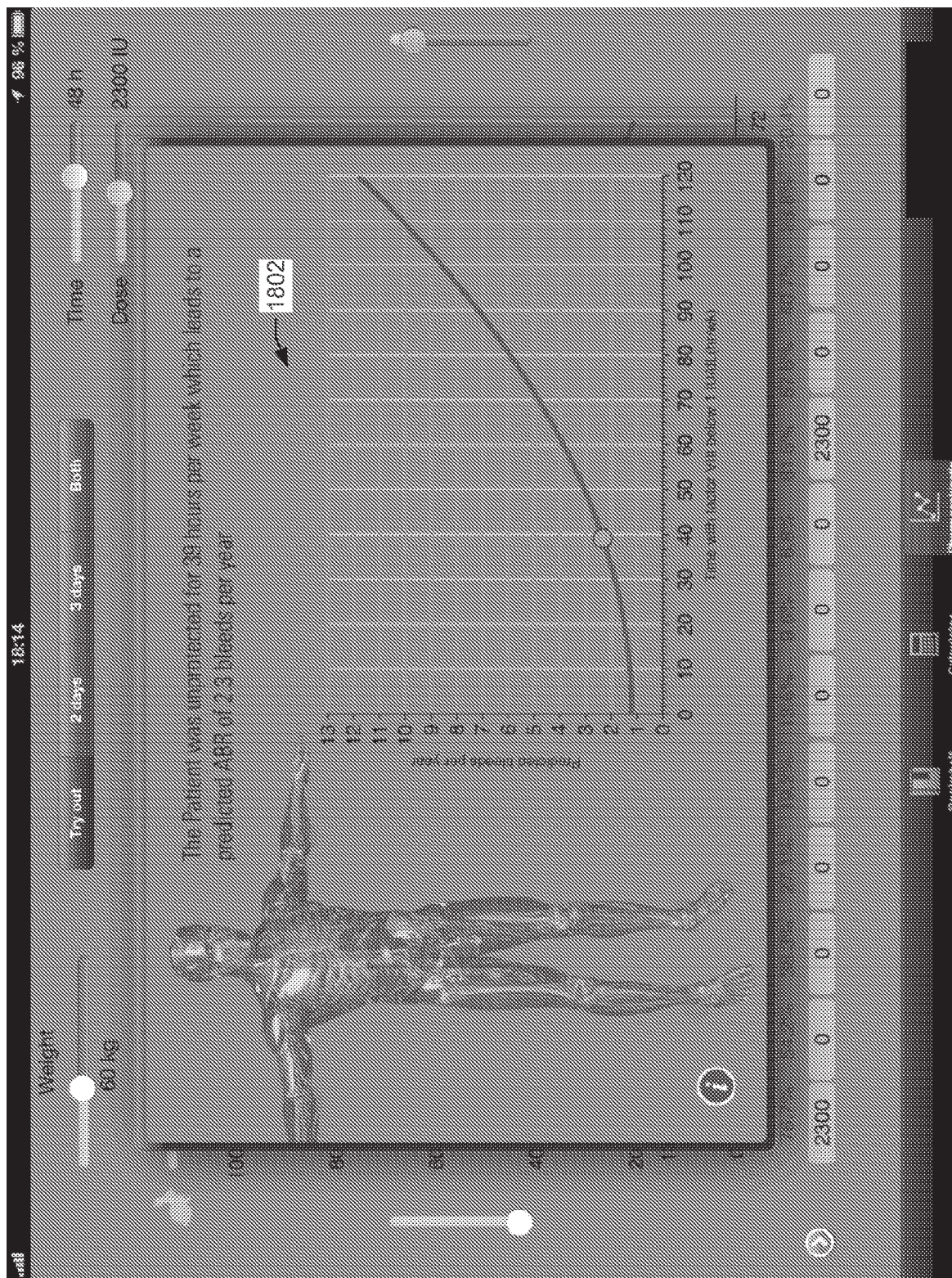


FIG. 18

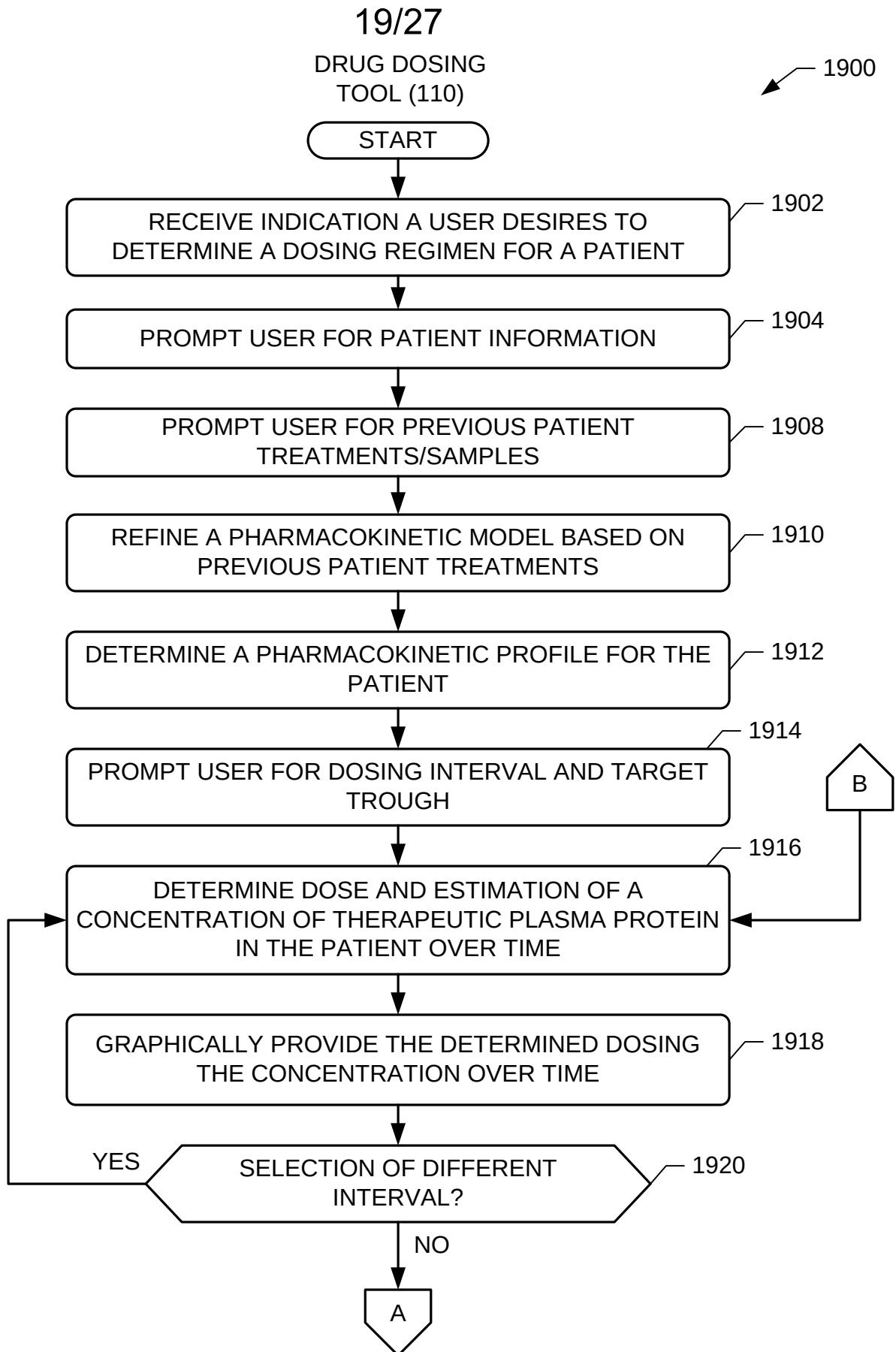


FIG. 19

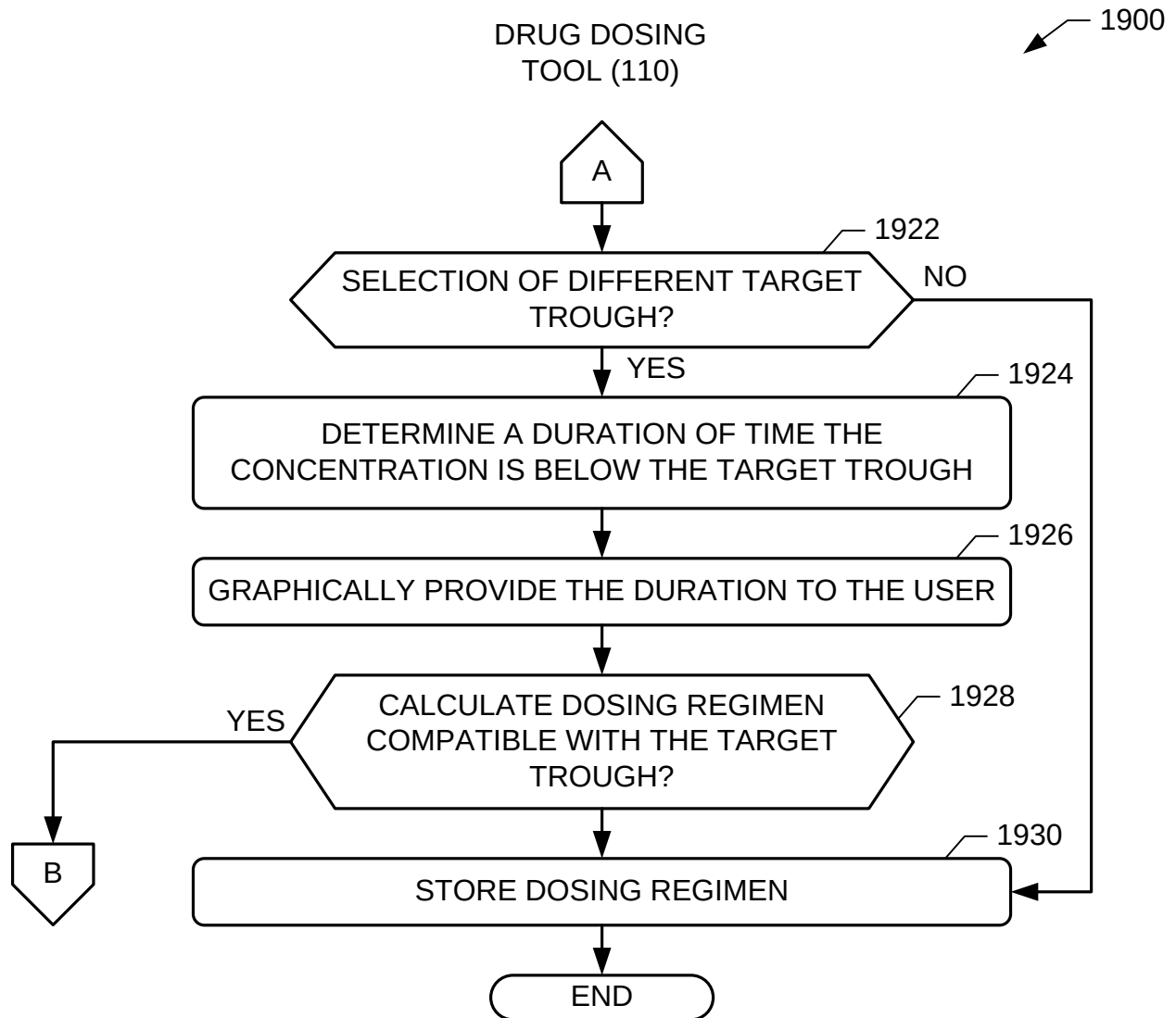
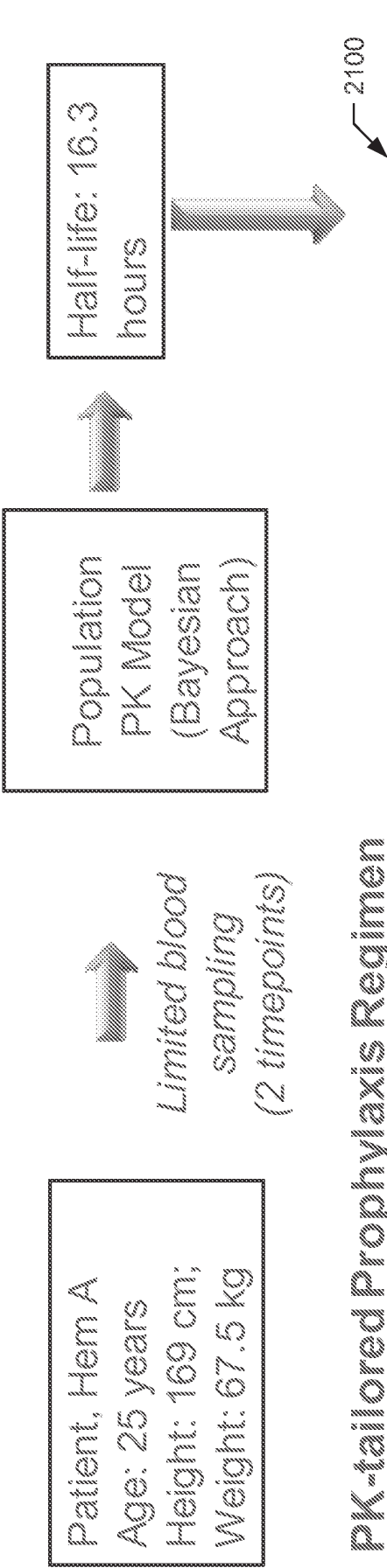


FIG. 20



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PK-tailored Prophylaxis Regimen

	Prophylaxis (IU)	Sports program	Extra injection for sport activities
Monday		Mountain Biking	1000 IU
Tuesday	2000	Climbing Training	
Wednesday		Yoga	
Thursday		Jogging (30 min)	
Friday	2000	Softball	
Saturday		Yoga	
Sunday		Jogging (30 min)	

Legend: save; sports activities with low bleeding risk; Sports only with extra injection save

FIG. 21

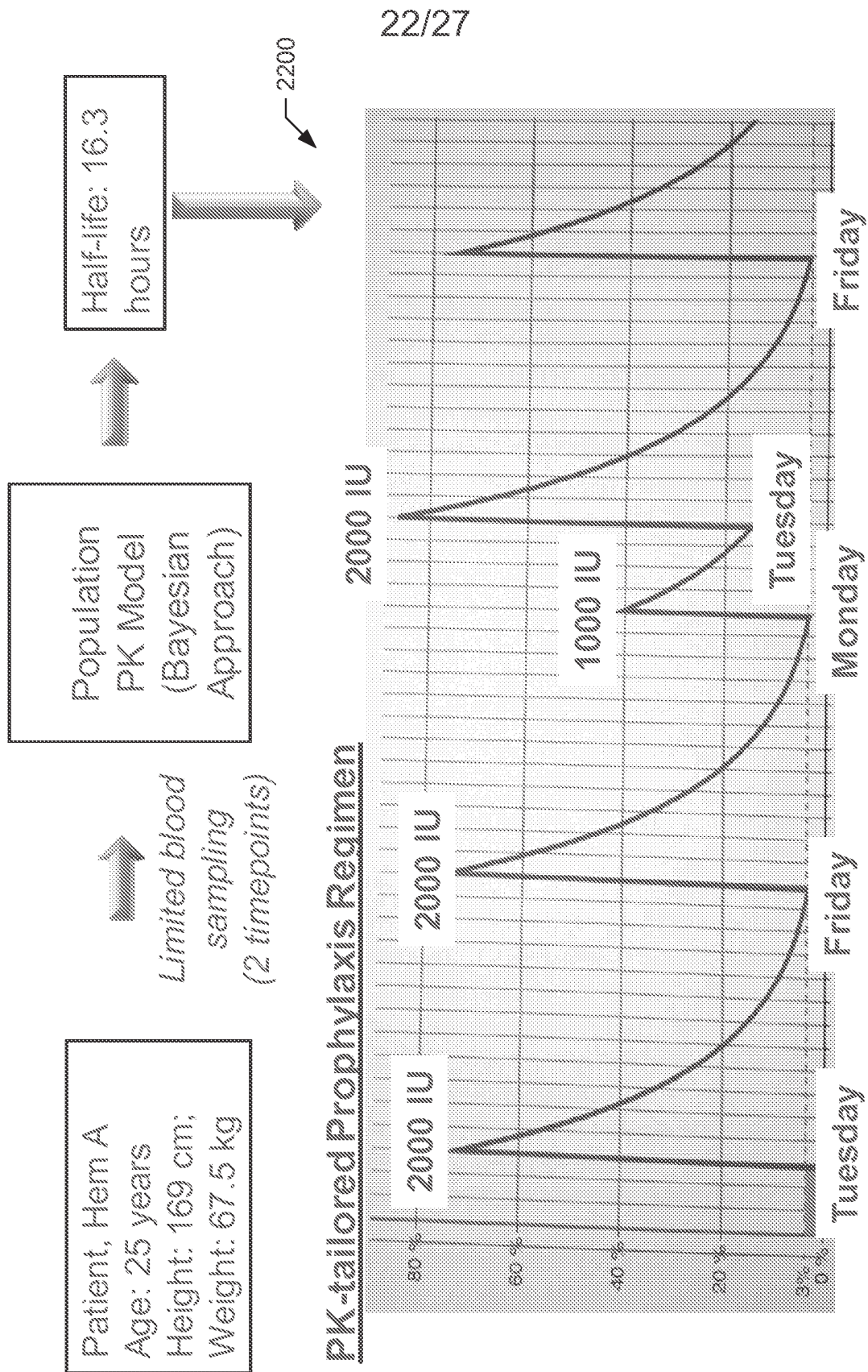


FIG. 22

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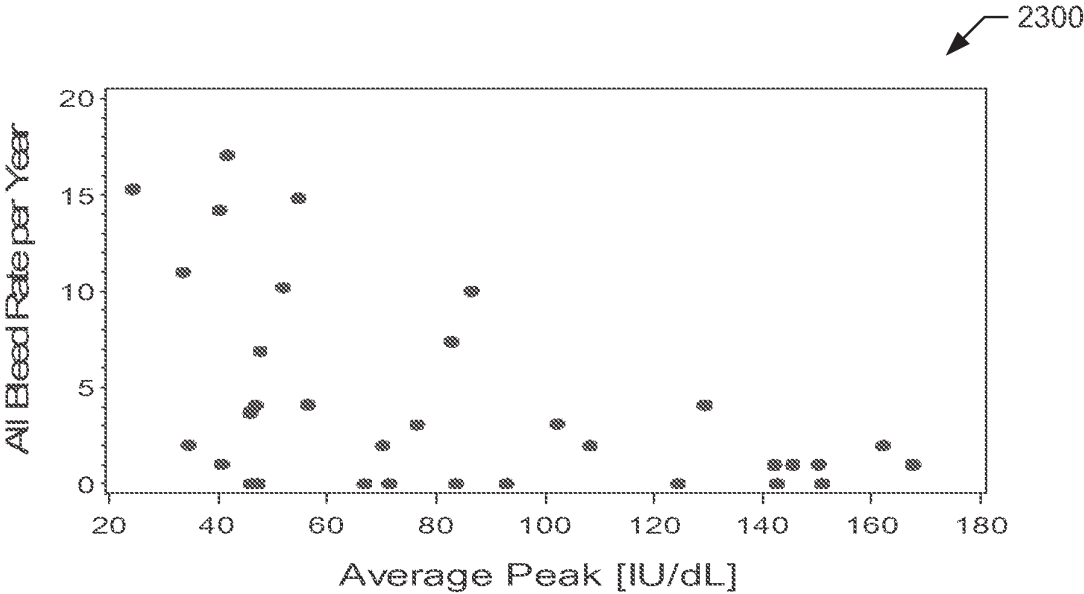


FIG. 23

2400

	All Bleeds		Joint Bleeds	
	Coeff.	P-value	Coeff.	P-value
Average Peak [IU/dL]*	-0.0174	0.0004	-0.0164	0.0013

FIG. 24

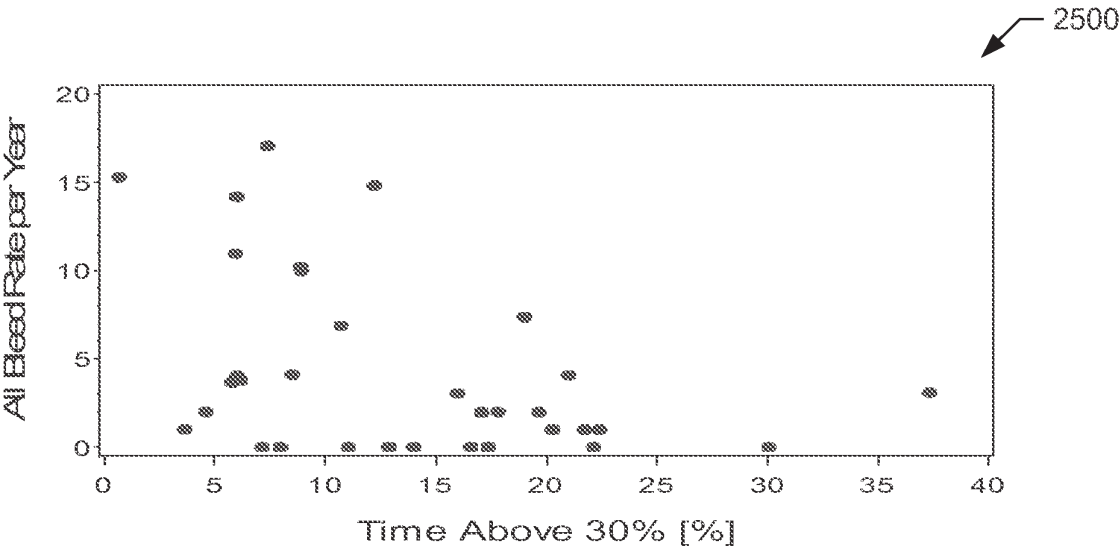


FIG. 25

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2600

	All Bleeding		Joint Bleeding	
	Coeff.	P-value	Coeff.	P-value
Time Spent > 10%		NS		NS
Time Spent > 20%		NS	-0.0578	S
Time Spent > 30%	-0.0786	S	-0.0832	S
Time Spent > 40%	-0.0911	S	-0.0951	S

FIG. 26

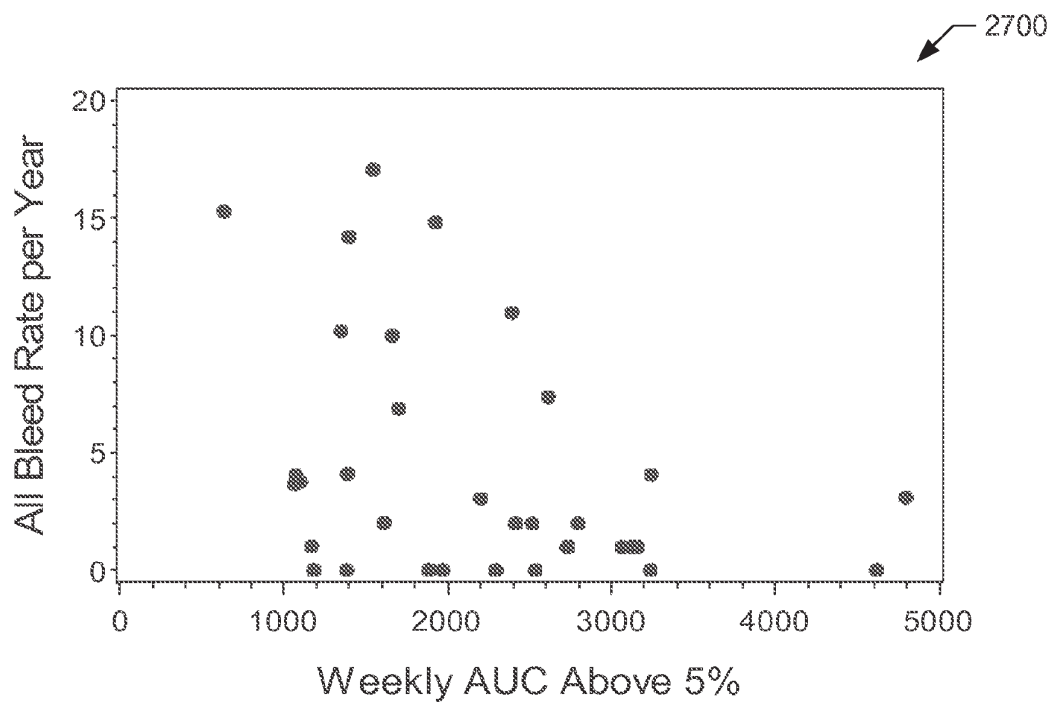


FIG. 27

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2800

	All Bleeding		Joint Bleeding	
	Coeff.	P-value	Coeff.	P-value
$\log_{10}(\text{Weekly AUC} > 5\%)$	-3.1307	S	-3.0986	S
$\log_{10}(\text{Weekly AUC} > 10\%)$	-2.6189	S	-2.5856	S
$\log_{10}(\text{Weekly AUC} > 20\%)$	-1.9820	S	-1.9474	S

FIG. 28

2900

Variable	Time>05% Time>10% Time>20%	AUC>05% AUC>10% AUC>20%
Average Cmax	0.15 (ns) 0.43 (ns) 0.65 (s)	0.82 (s) 0.82 (s) 0.87 (s)
Time>05% Time>10% Time>20%		0.60 (s) 0.81 (s) 0.90 (s)

FIG. 29

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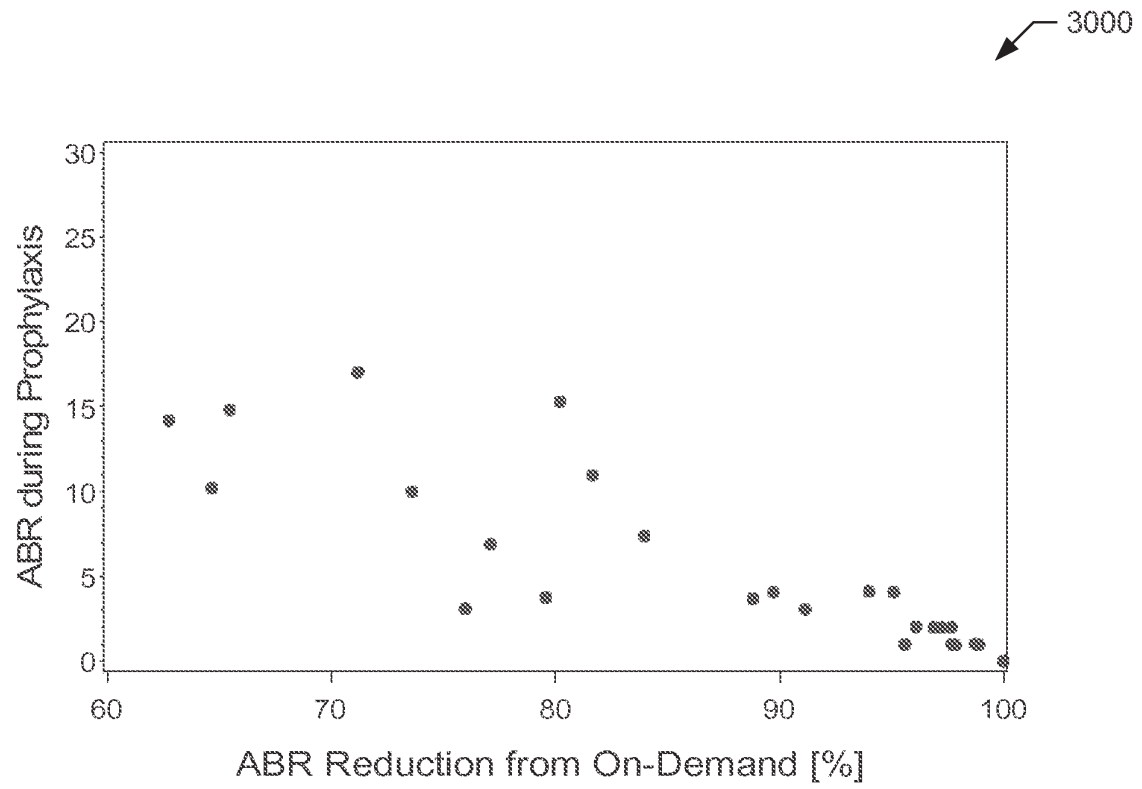


FIG. 30

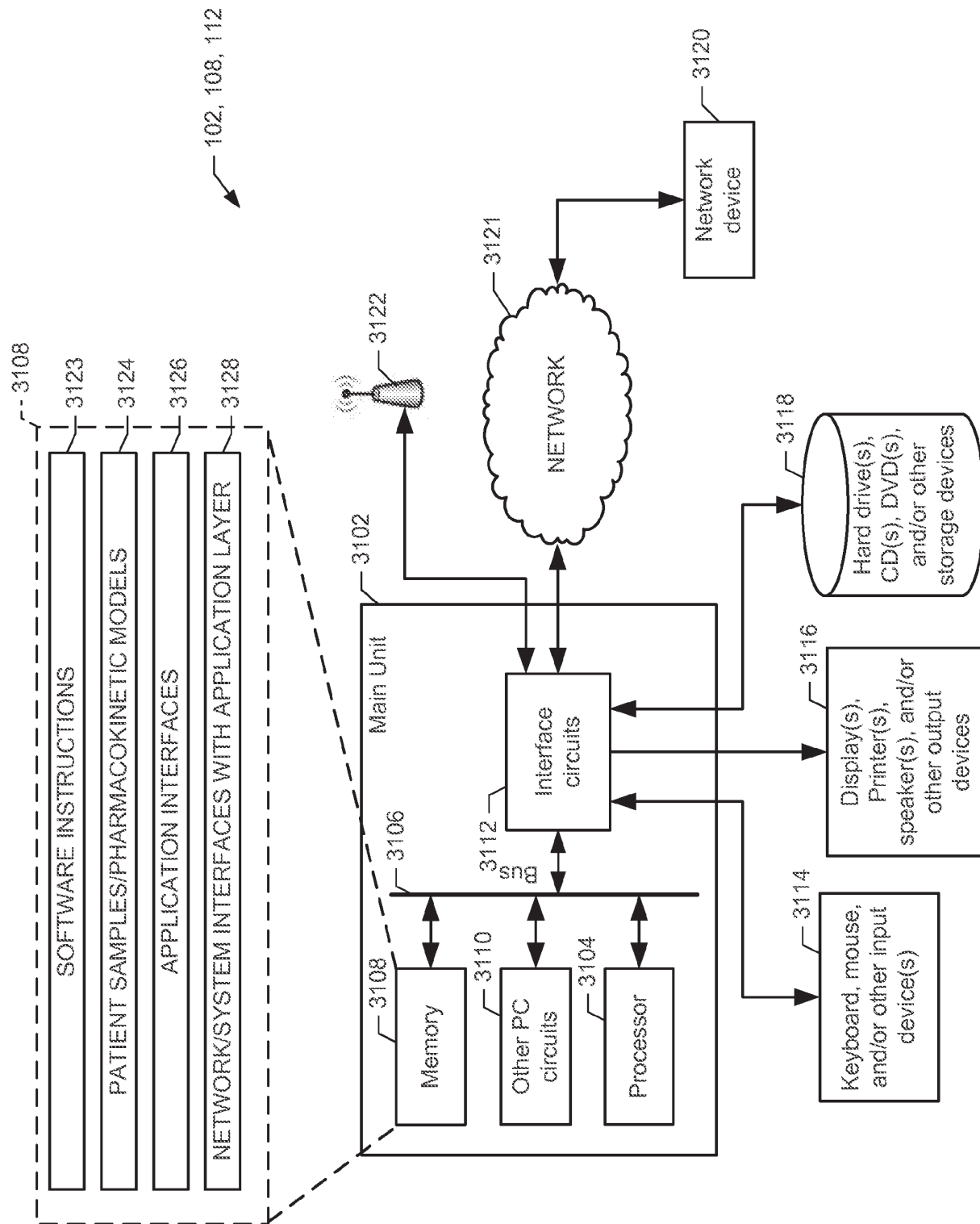


FIG. 31