CRRT PRINCIPLES BLOOD SIDE

NIKKISO

PROGRAM:

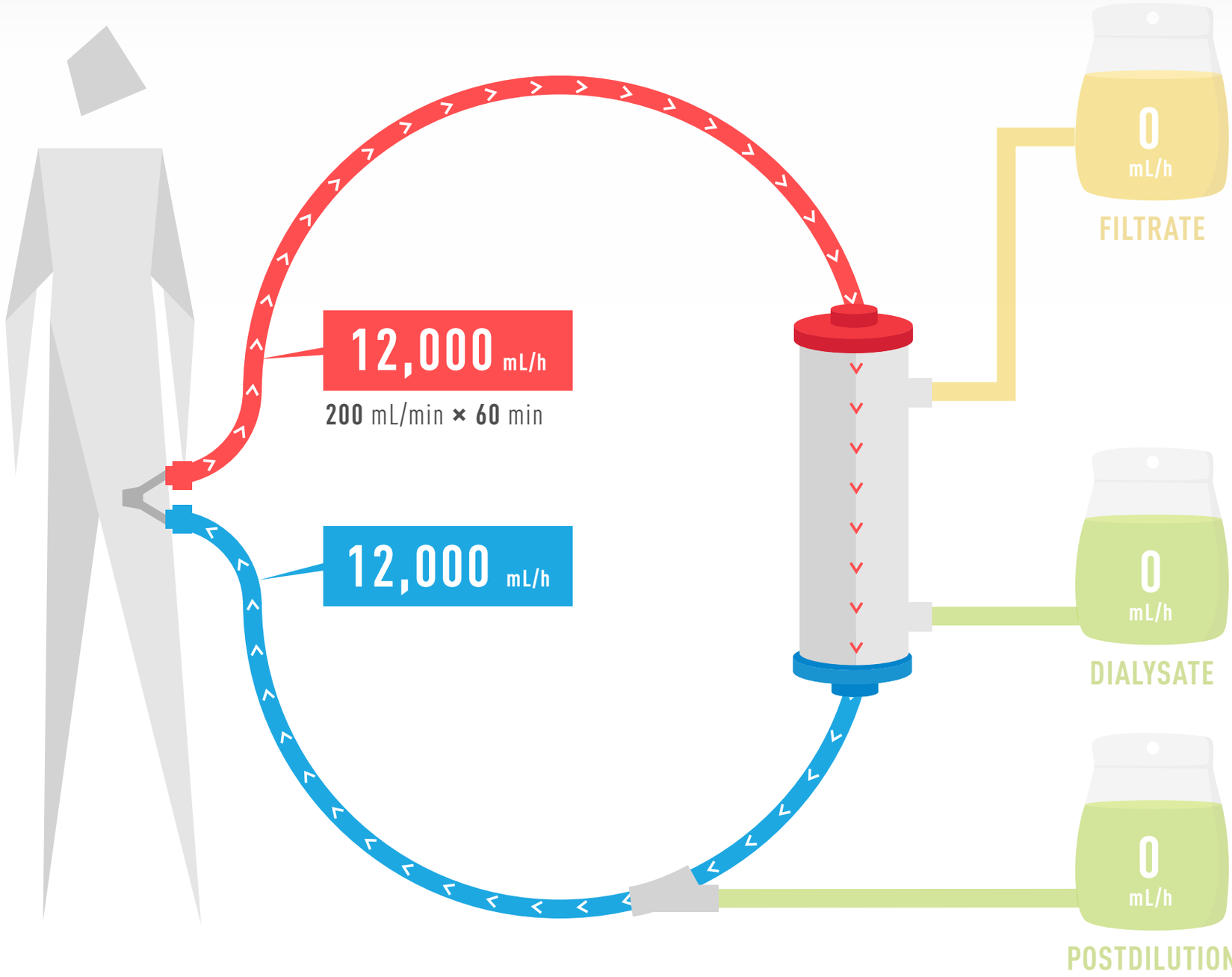
BLOOD PUMP

200 mL/min

NOTES:

CATHETER PLACEMENT:

- Right Internal Jugular
- Right Femoral Vein
- Left Subclavian Vein



Ronco,C., Bellomo,R., & La Greca, G. (Eds.) (2001). Contributions to Nephrology: Blood Purification in Intensive care. Volume 132. Basel: Karger.

EXAMPLE ONLY

PM-0007-02/2015

CRRT PRINCIPLES BALANCE SIDE

NIKKISO

PROGRAM:

FLUID LOSS RATE (FL)
200 mL/h

POSTDILUTION (POST)
2000 mL/h

PREDILUTION (PRE) OR DIALYSATE (DIALYSATE)
1000 mL/h

NOTES:

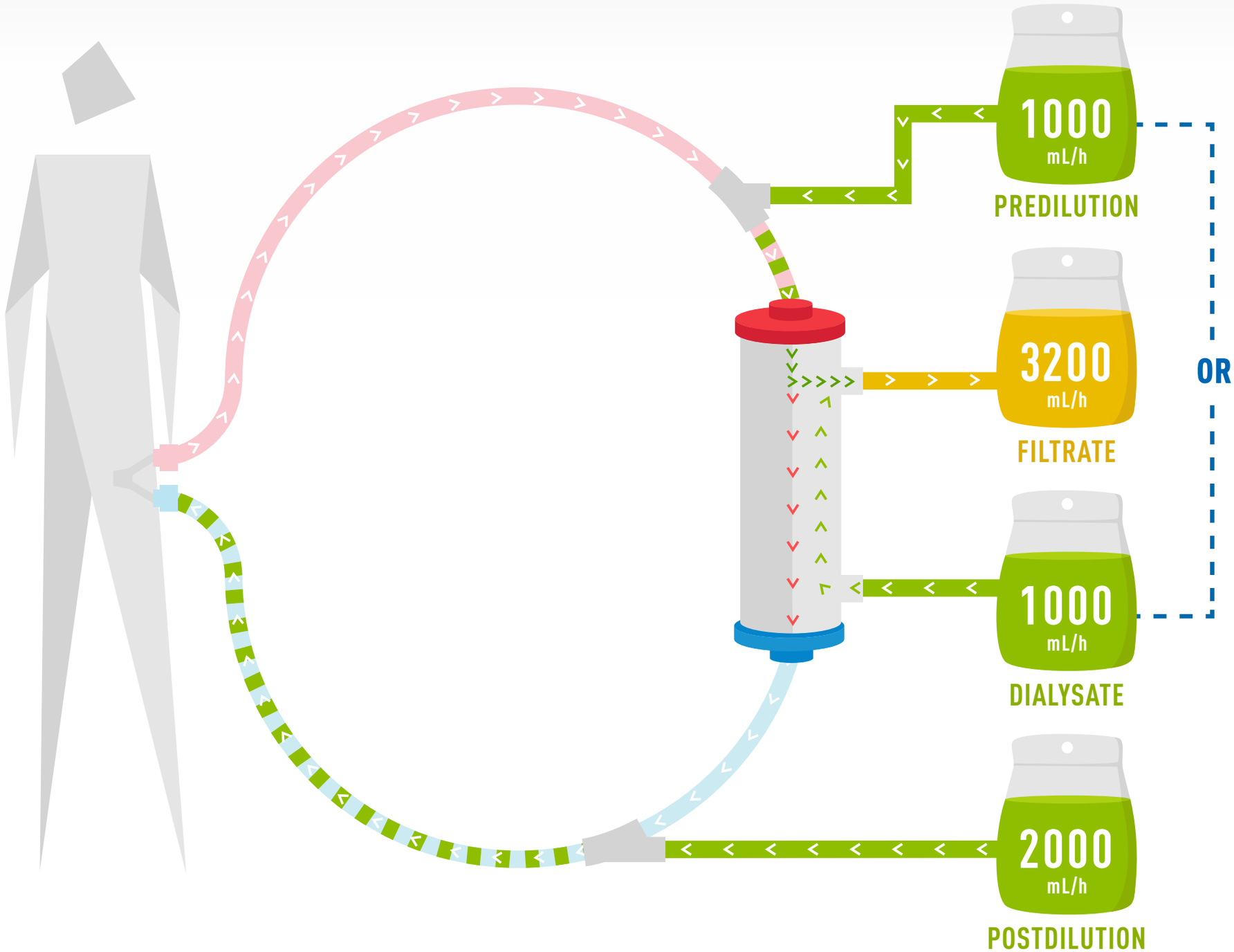
PRINCIPLES UTILISED:
Diffusion, Convection and Ultrafiltration

Predilution Fluid mixes with the blood and increases volume prefilter.

Dialysate Fluid does not mix with the blood, baths each filter fibre and flows counter current to the blood.

Postdilution Fluid is infused into the blood after the filter.

Filtrate Pump is automatic.



EXAMPLE ONLY

PM-0007-02/2015

CRRT PRINCIPLES SCUF

Slow Continuous Ultrafiltration

PROGRAM:

BLOOD PUMP

200 mL/min

FLUID LOSS RATE (FL)

100 mL/h

TOTAL FLUID LOSS

2400 mL

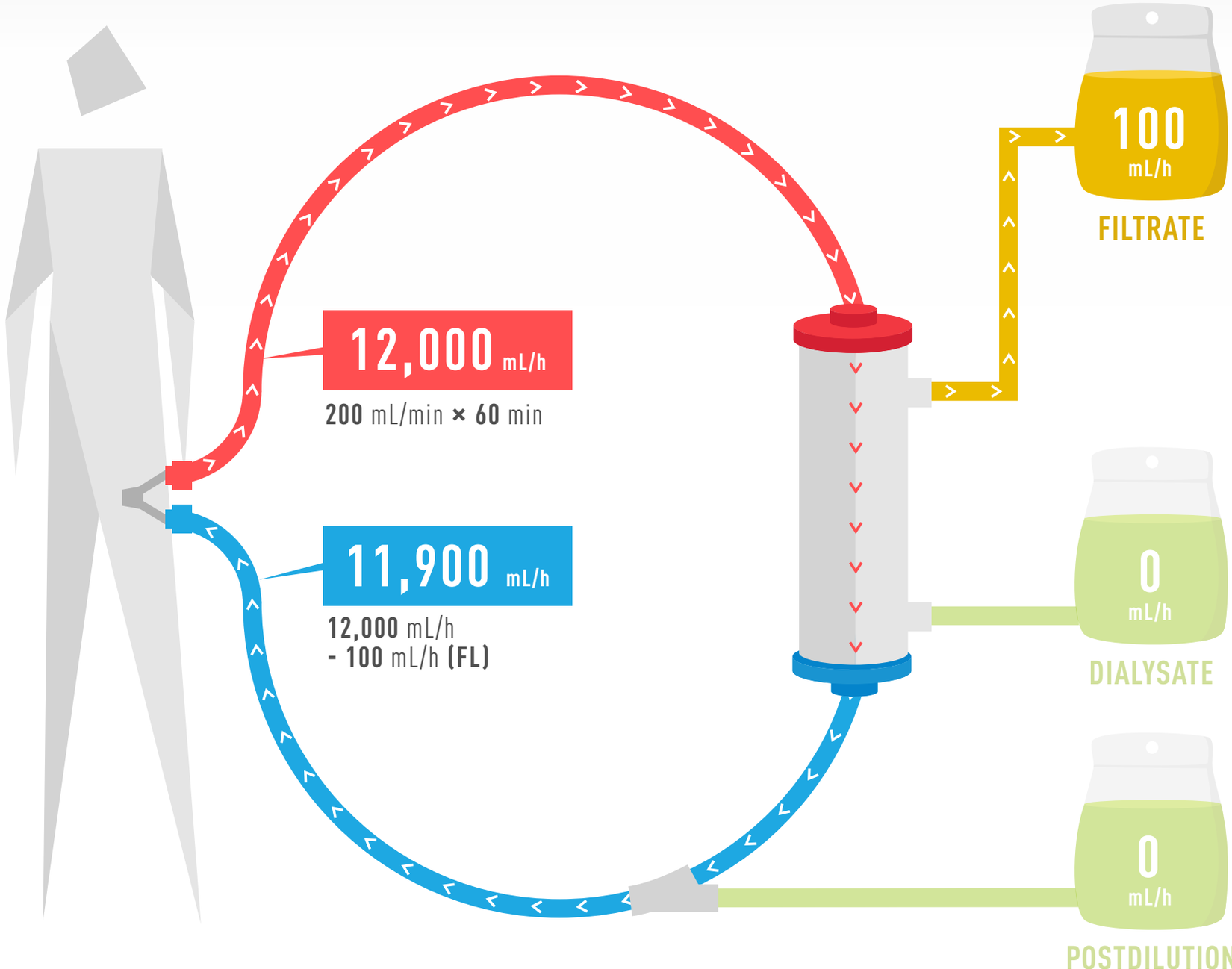
NOTES:

MODE: SCUF

PRINCIPLE: Ultrafiltration

GOAL: Fluid Removal.

Filtrate Pump is automatic.



EXAMPLE ONLY

CRRT PRINCIPLES CVVHD

Continuous Veno-Venous Hemodialysis

NIKKISO

PROGRAM:

BLOOD PUMP

200 mL/min

DIALYSATE (DIALYSATE)

1000 mL/h

NOTES:

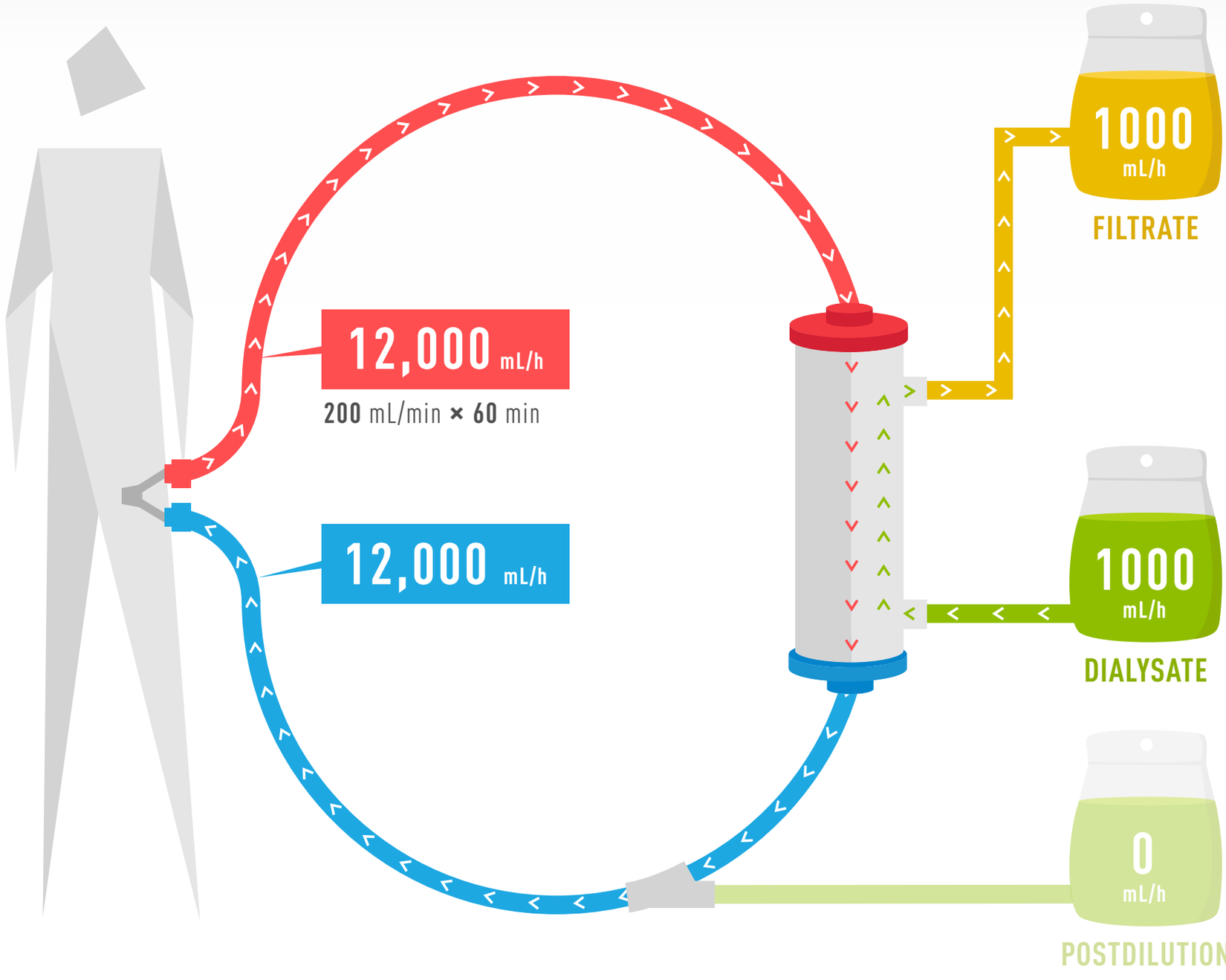
MODE: CVVHD

PRINCIPLE: Diffusion

GOAL: Clear small and medium molecules, with optional fluid volume management.

Dialysate Fluid does not mix with the blood, baths each filter fibre and flows counter current to the blood.

Filtrate Pump is automatic.



EXAMPLE ONLY

CRRT PRINCIPLES CVVHDF

Continuous Veno-Venous Hemodiafiltration

NIKKISO

PROGRAM:

BLOOD PUMP
200 mL/min

POSTDILUTION (POST)
2000 mL/h

DIALYSATE (DIALYSATE)
1000 mL/h

NOTES:

MODE: CVVHDF

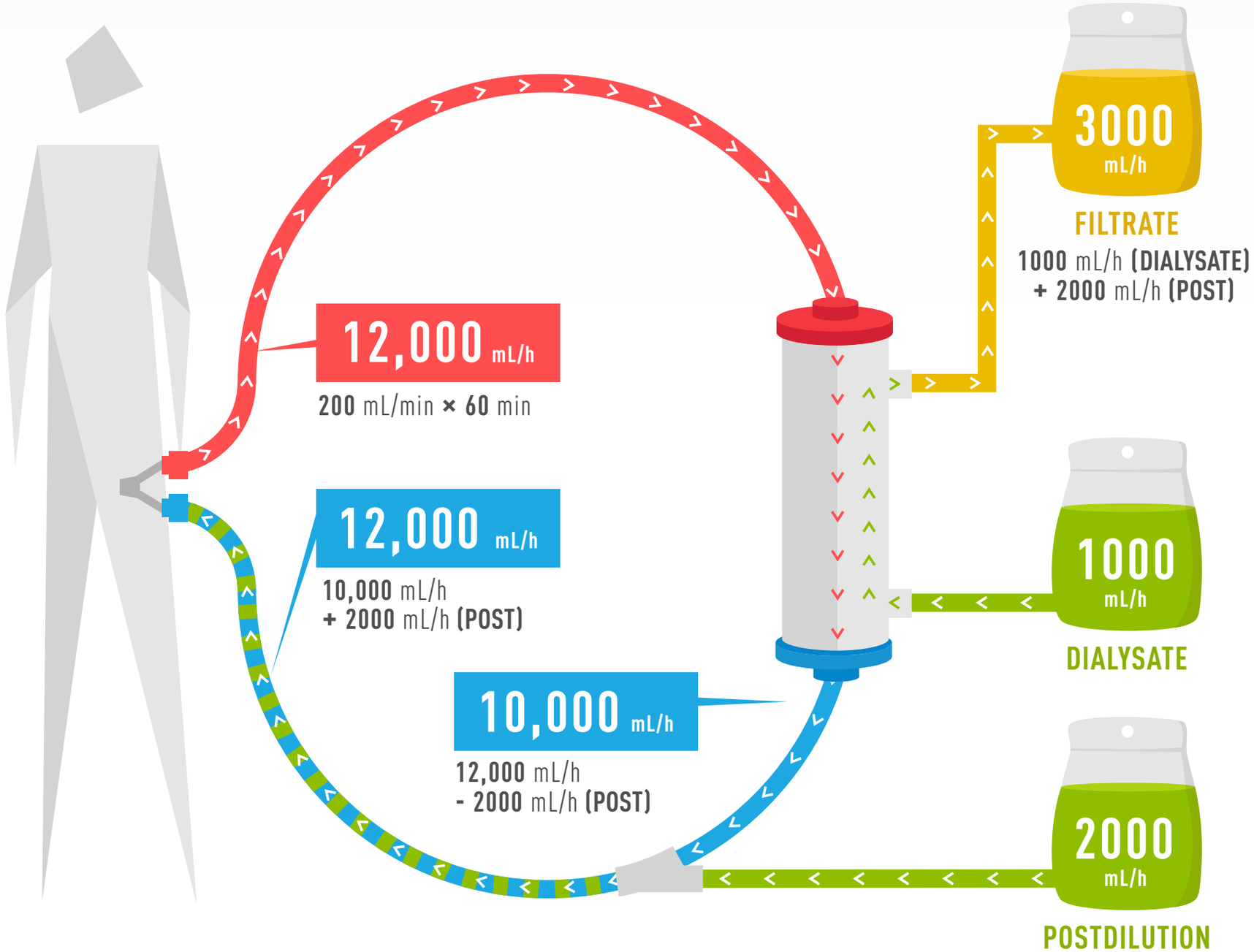
PRINCIPLE: Convection and Diffusion

GOAL: Clear small, medium and large molecules, with optional fluid volume management.

Dialysate Fluid does not mix with the blood, baths each filter fibre and flows counter current to the blood.

Postdilution Fluid is infused into the blood after the filter.

Filtrate Pump is automatic.



EXAMPLE ONLY

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CRRT PRINCIPLES CVVH: PREDILUTION

Continuous Veno-Venous Hemofiltration

NIKKISO

PROGRAM:

BLOOD PUMP

200 mL/min

PREDILUTION (PRE)

1000 mL/h

NOTES:

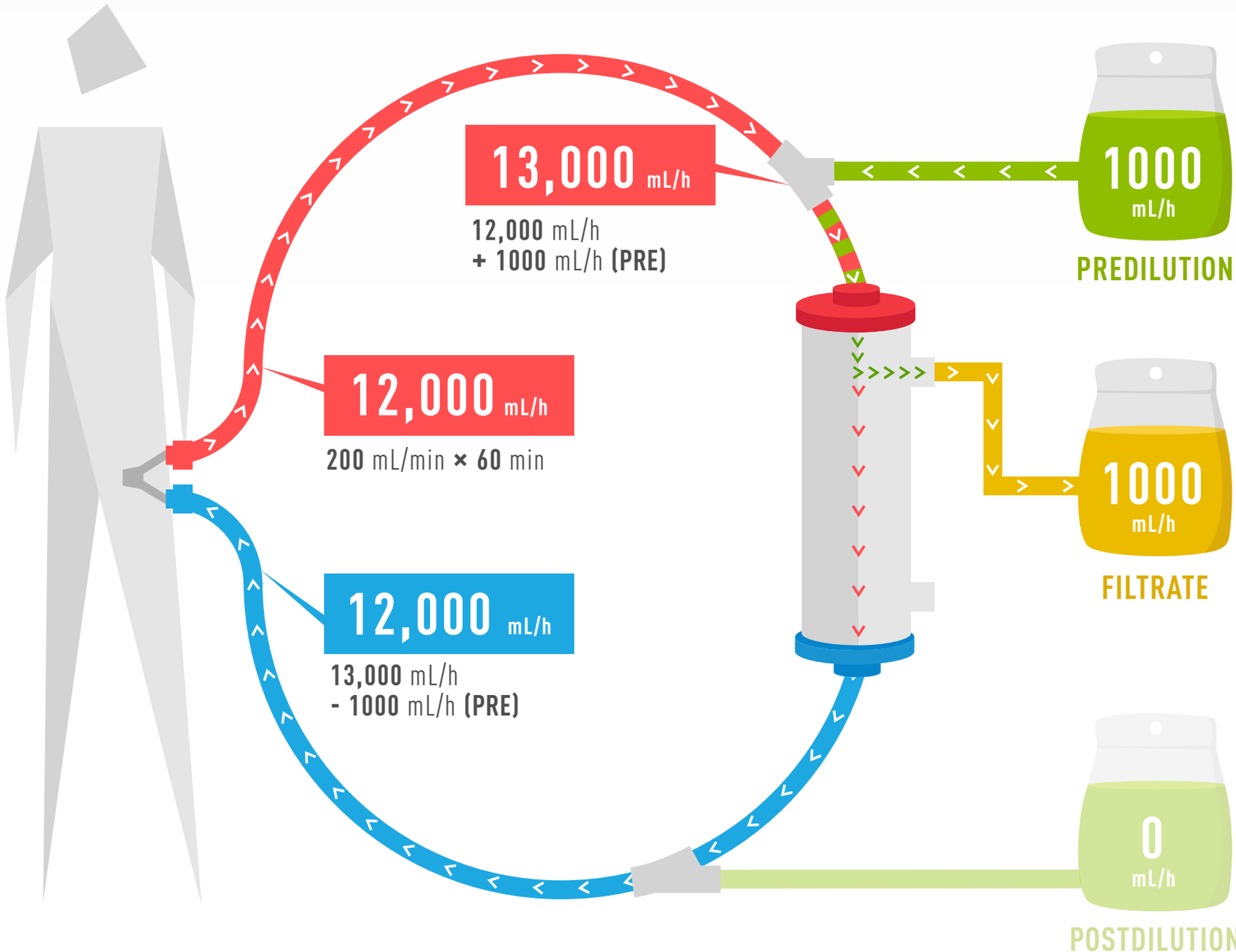
MODE: CVVH (Predilution)

PRINCIPLE: Convection

GOAL: Clear small, medium and large molecules, with optional fluid volume management.

Predilution Fluid mixes with the blood and increases volume prefilter.

Filtrate Pump is automatic.



EXAMPLE ONLY

CRRT PRINCIPLES CVVH: POSTDILUTION

Continuous Veno-Venous Hemofiltration

NIKKISO

PROGRAM:

BLOOD PUMP

200 mL/min

POSTDILUTION (POST)

2000 mL/h

NOTES:

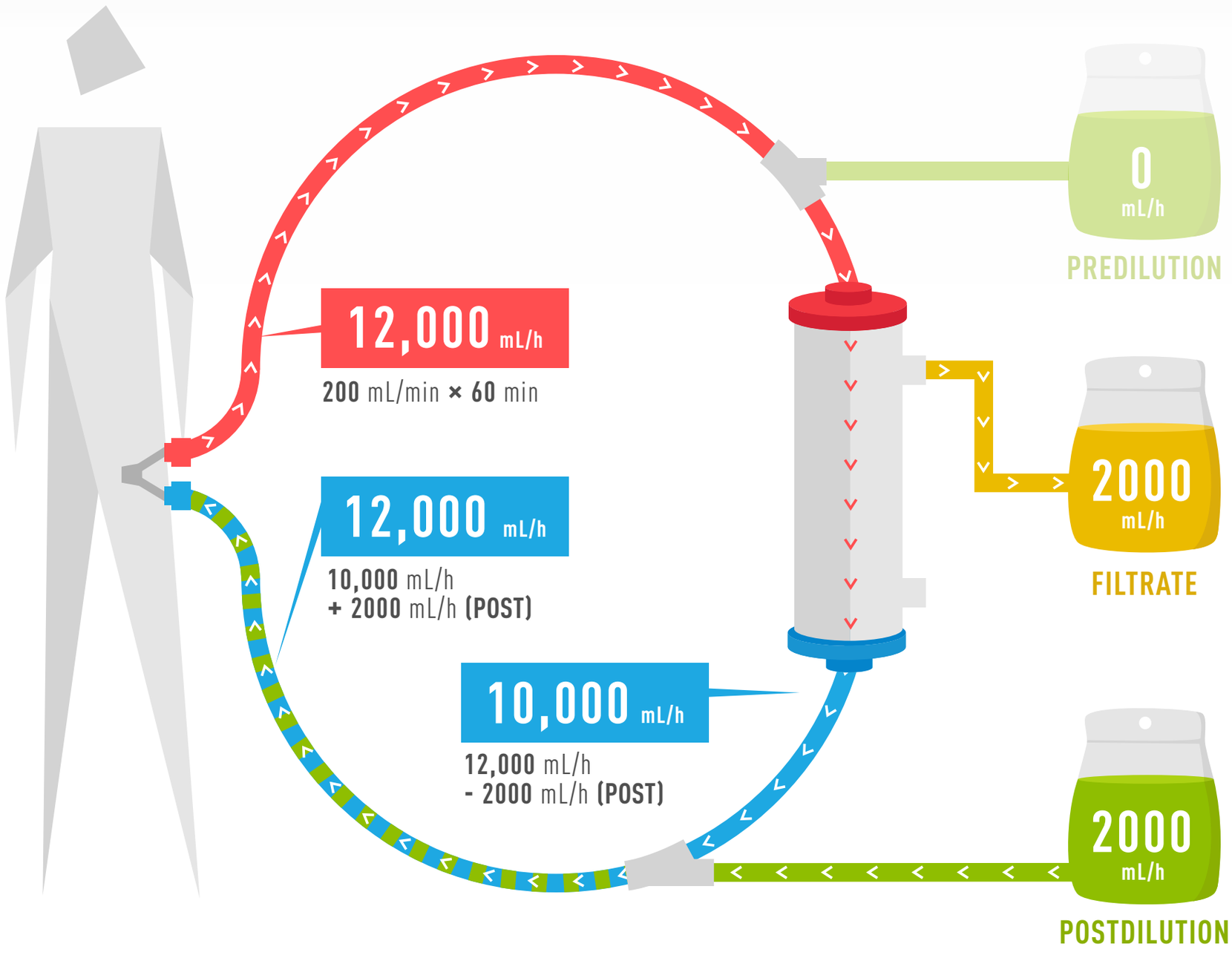
MODE: CVVH (Postdilution)

PRINCIPLE: Convection

GOAL: Clear small, medium and large molecules, with optional fluid volume management.

Postdilution Fluid is infused into the blood after the filter.

Filtrate Pump is automatic.



EXAMPLE ONLY

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CRRT PRINCIPLES CVVH: PRE + POST DILUTION

Continuous Veno-Venous Hemofiltration

NIKKISO

PROGRAM:

BLOOD PUMP
200 mL/min

POSTDILUTION (POST)
2000 mL/h

PREDILUTION (PRE)
1000 mL/h

NOTES:

MODE: CVVH (Pre and Post Dilution)

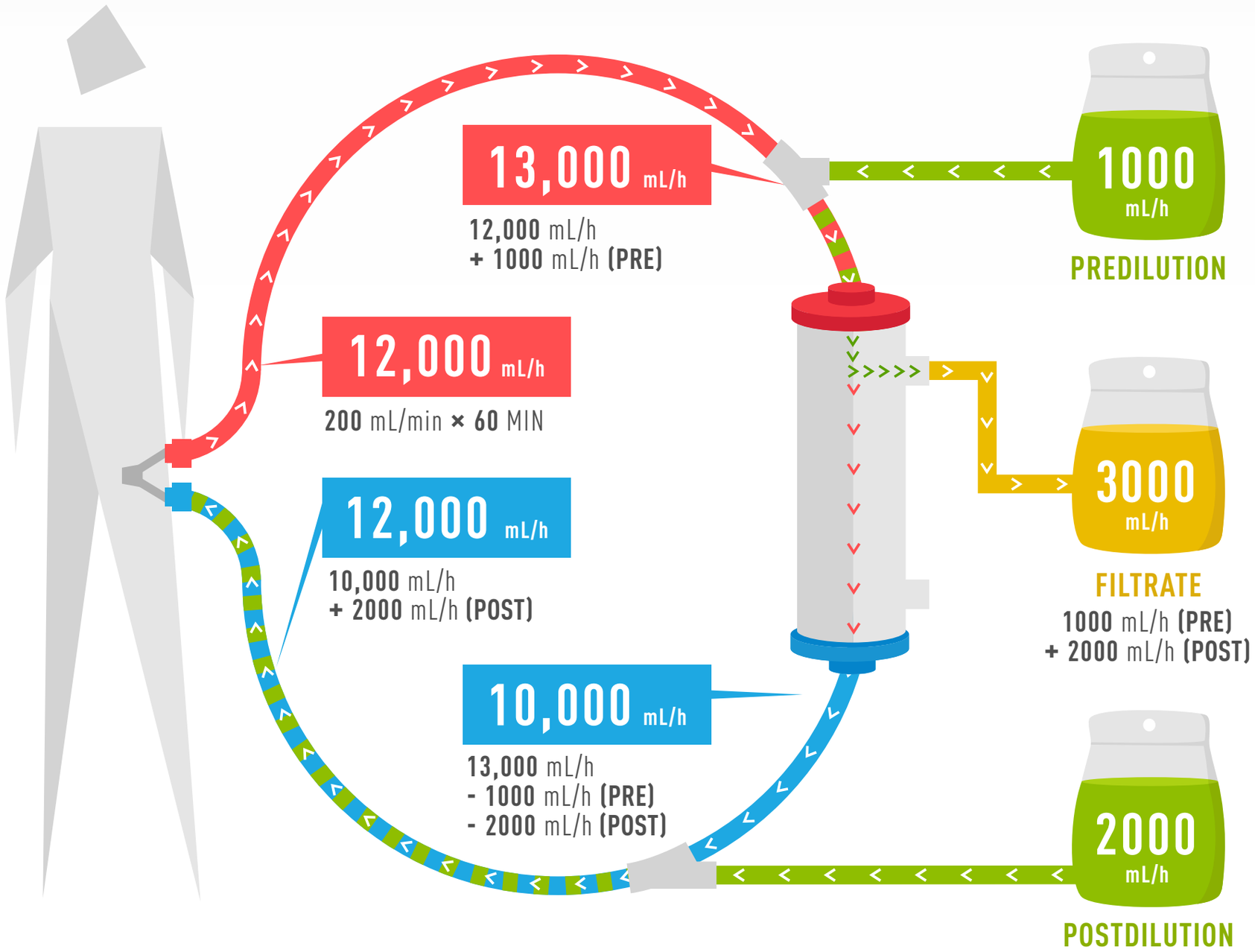
PRINCIPLE: Convection

GOAL: Clear small, medium and large molecules, with optional fluid volume management.

Predilution Fluid mixes with the blood and increases volume prefilter.

Postdilution Fluid is infused into the blood after the filter.

Filtrate Pump is automatic.



EXAMPLE ONLY

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