Precautions in Handling of Prefilled Syringes

Key points for safe use

(Case 1) During administration of dopamine via a syringe pump, a pre-filled syringe’s plunger came off from the gasket, and the drug solution ended up being injected too fast to a patient.

1 Precautions when using prefilled syringes (Part 1)

- A prefilled syringe’s plunger is screwed into the gasket and connected together. The connection may become loose during use, so be very careful.

The plunger and gasket came off!
(Case 2) The prefilled syringe’s gasket was distorted, so the drug solution leaked out from the opening between the syringe barrel and the gasket.

2 Precautions when using prefilled syringes (Part 2)

- When assembling a prefilled syringe, make sure to screw in the plunger by rotating it.

Distortion of gasket may cause drug solution leakage and air bubble entry. When assembling a prefilled syringe, do it correctly following the instructions on the Package Insert, etc.

Prefilled syringes that are assembled for use.

- Kyowa Hakko Kirin Co., Ltd.
  - INOVAN Injection 0.1% syringe
  - INOVAN Injection 0.3% syringe
  - INOVAN Injection 0.6% syringe

- Terumo Corporation
  - DOBUPUM Injection 0.1% syringe
  - DOBUPUM Injection 0.3% syringe
  - DOBUPUM Injection 0.6% syringe
Screw in the plunger by rotating it.

Prefilled syringes that have already been assembled

Even a prefilled syringe that has already been assembled may become loose during handling, so be very careful.

Astrazeneca K.K.

1% Diprivan Injection-kit (200mg 20mL cylinder)

1% Diprivan Injection-kit (500mg 50mL cylinder)

Eisai Co., Ltd.

Nitorol Injection for Continuous Infusion 25mg Syringe

Ajinomoto Pharmaceuticals Co., Ltd.

LOWHEPA 100 U/mL SYRINGE 20mL

LOWHEPA 150 U/mL SYRINGE 20mL

LOWHEPA 200 U/mL SYRINGE 20mL

Taiyo Yakuhin Co., Ltd.

Heparin Sodium 150 Units/mL "AT" 20 mL for Dialysis

Heparin Sodium 200 Units/mL "AT" 20 mL for Dialysis

Heparin Sodium 250 Units/mL "AT" 20 mL for Dialysis
When setting these heparin syringes to dialysis devices as well as syringe pumps, be careful that the plungers do not become disconnected from the gasket.