Section3 Injections(1)

Learning Objectives:

1.熟悉注射器与针头的结构;
2.掌握注射的基本原则;▲★
3.掌握抽吸注射用药液方法。 ▲★

一.注射原则▲★(Safety & comfort)

- 基本原则 **2：** Checks（查对） + Asepsis(无菌)
- 选择**3**：A. Syringe and needle:
  　　　　 B. Injection site:
  　　　　 C. Medications:

- 要领**4：** A.排尽空气
  　　　　 B.合适的进针角度和深度
  　　　　 C.检查回血:
  　　　　 D.无痛注射:
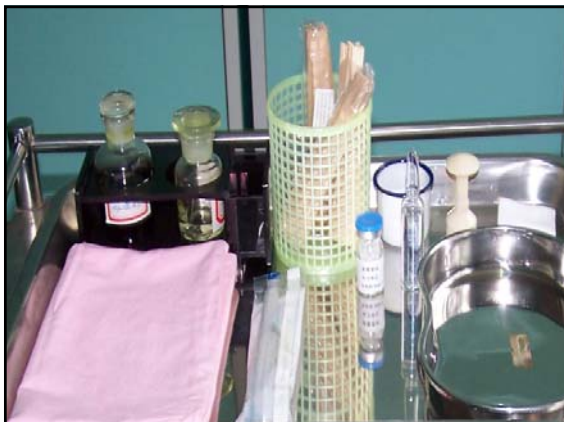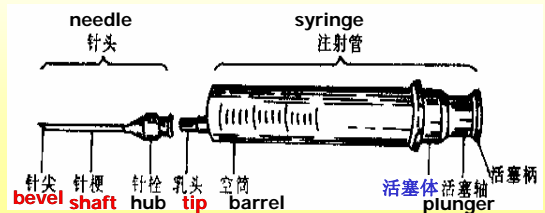- 处理**1**：Discard all used equipment appropriately
  　　　　 合理清理用物!!P251

1.Syringe and Needle---disposable.

2. Other Equipment

(1)Prescription chart医嘱单
(2)Medication tray 治疗盘
(3)Sterile drape无菌治疗巾
(4)Medication in an ampule 安瓿装药液
(5)Metal file and sterile gauzes（if necessary）
　砂轮、无菌方纱(必要时)
(6)Medication in a vial 瓶装药液
(7)Bottle-top opener（if necessary）
　开瓶器(必要时)
(8)Antiseptic solution
　(2% iodine,75% alcohol or others)
　消毒液（2%碘酊、75%乙醇或其他）
(9)Sterile swabs无菌棉签
(10)Sharps container/bin 锐器盒。
(11)Curved/Kidney basin弯盘

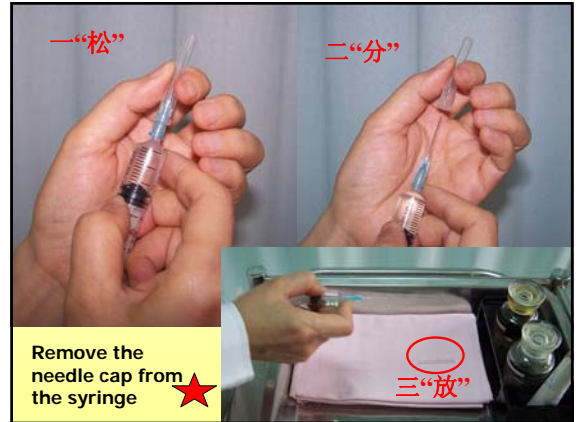## Figure
Parts of syringe and needle

needle 针头　　syringe 注射管
针尖 bevel　针梗 shaft　针栓 hub　乳头 tip　空筒 barrel　活塞体　活塞轴 plunger　活塞柄

（二）Withdrawing Medication from an Ampule or Vial▲

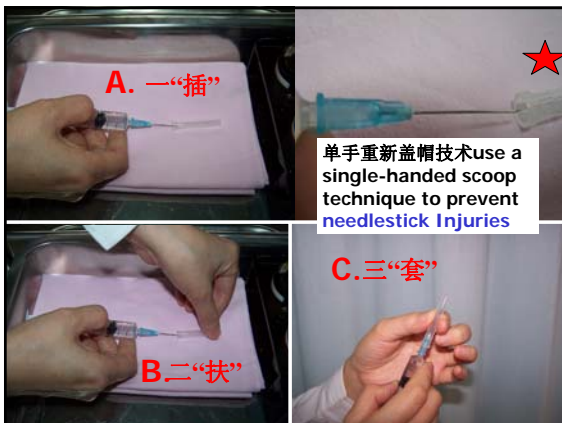| From an ampule安瓿	From a vial密封瓶
1)Check drug's name, quality, expiration date.	
2) Tap top of the ampule lightly...	1)　2)Remove the protective metal cap
3)Scratch &Sterilize the neck	3)Sterilize the rubber cap
4) Remove the top	4)Add the solvent(溶剂)
5)Withdraw the drug	5)Inject air and withdraw from vial
6)Expel air bubbles	
7) Cover the needle	6)

操作中的重点难点：

一"松"　二"分"

Remove the
needle cap from
the syringe ★

三"放"

5)withdraw the drug
②Insert needle into center of ampule.
Do not allow the hub of needle into
the ample.

Keep needle tip below
surface of liquid.

6)Expel any air
bubbles from
the syringe ▲★

- Remove needle
from ampule
- Hold syringe with
needle pointing up
- Tap syringe to
bring air bubbles
to the top
- Draw back slightly
on plunger and
push it upward to
eject air.

A. 一"插"

★

单手重新盖帽技术use a
single-handed scoop
technique to prevent
needlestick Injuries

C.三"套"

B二"扶"

实践课要求：

1. 修剪指甲，取下戒指手镯。

2. 准备口罩，着装整洁。

3.不迟到。