

# 人体解剖生理学12

## 運動器

医療経営学科

研究室 7階5号研究室

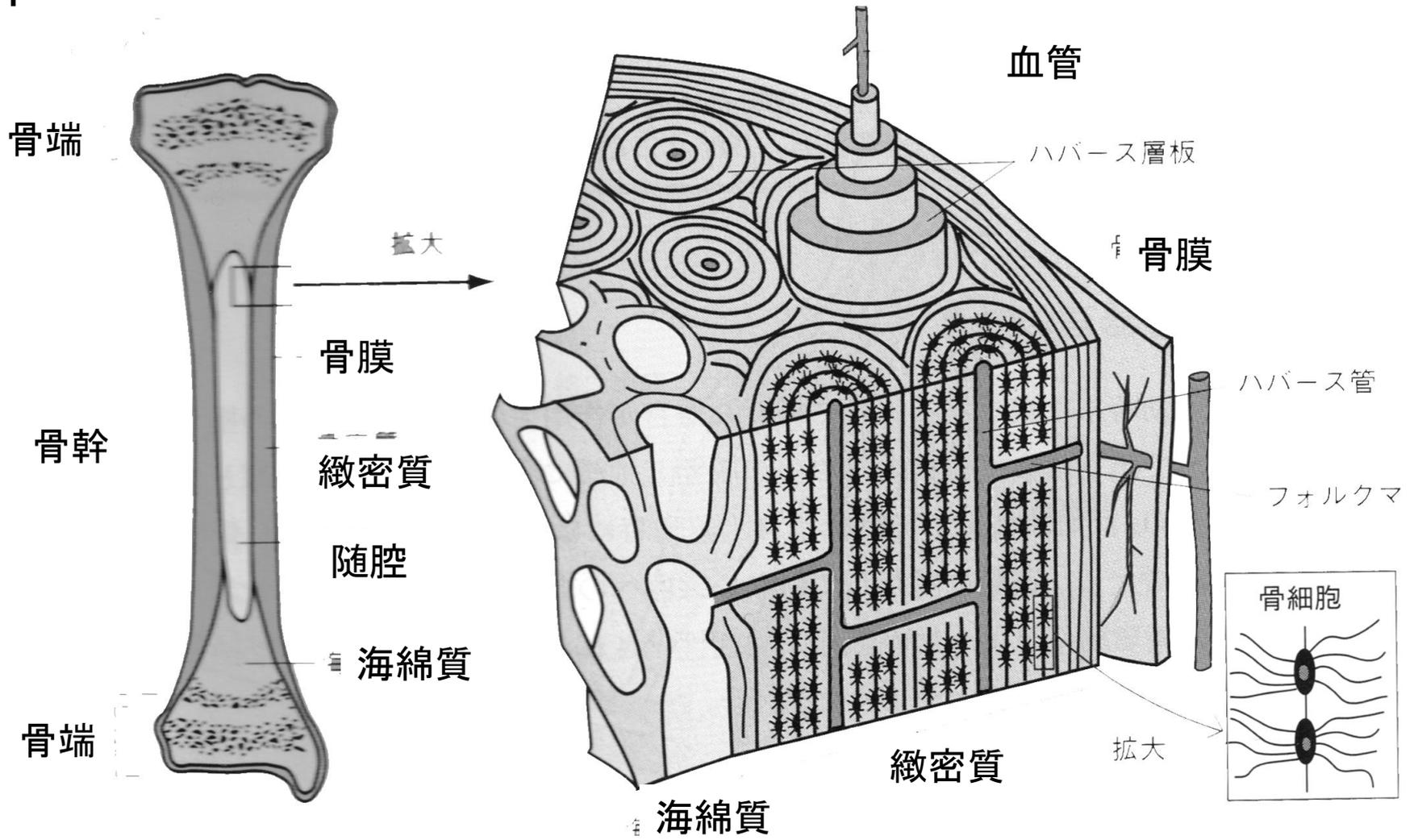
江原 朗

骨代謝

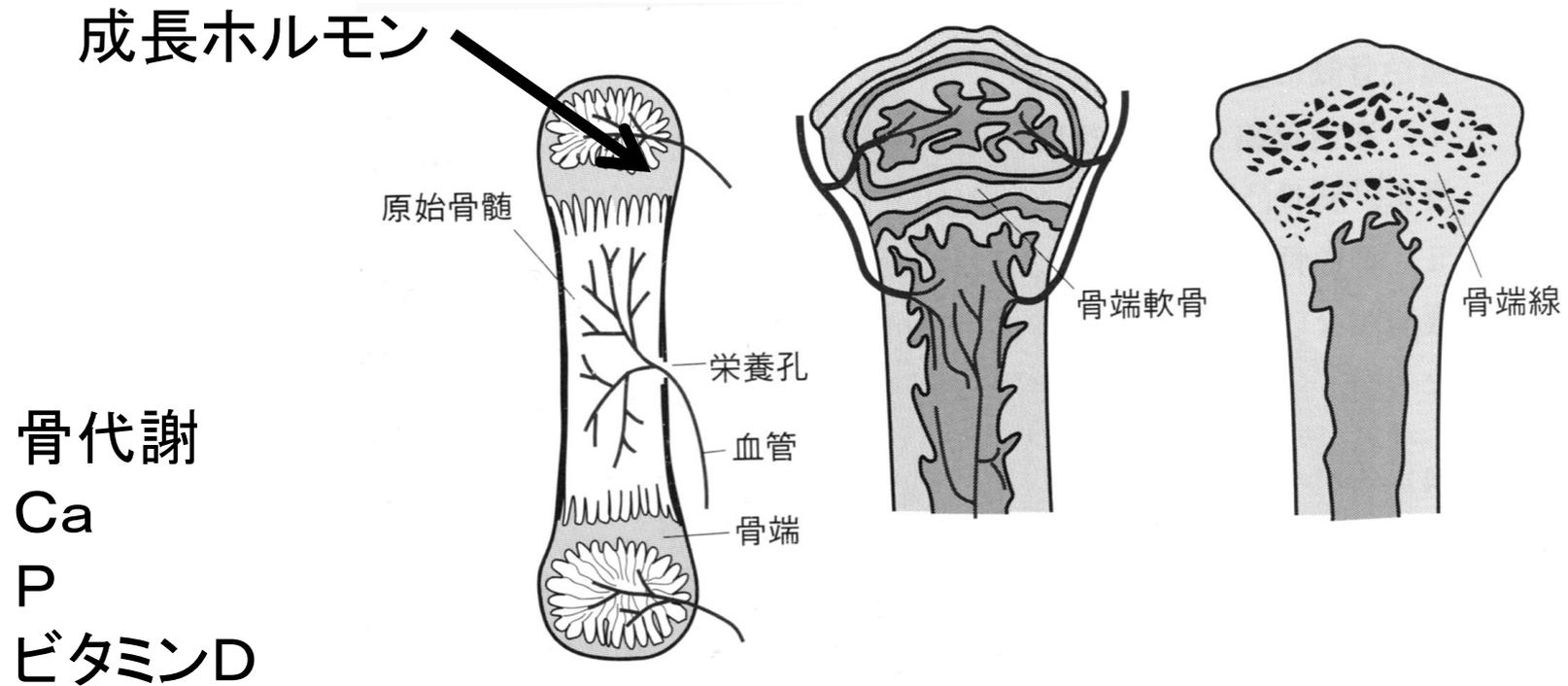
Ca

P

# 骨



# 骨の成長



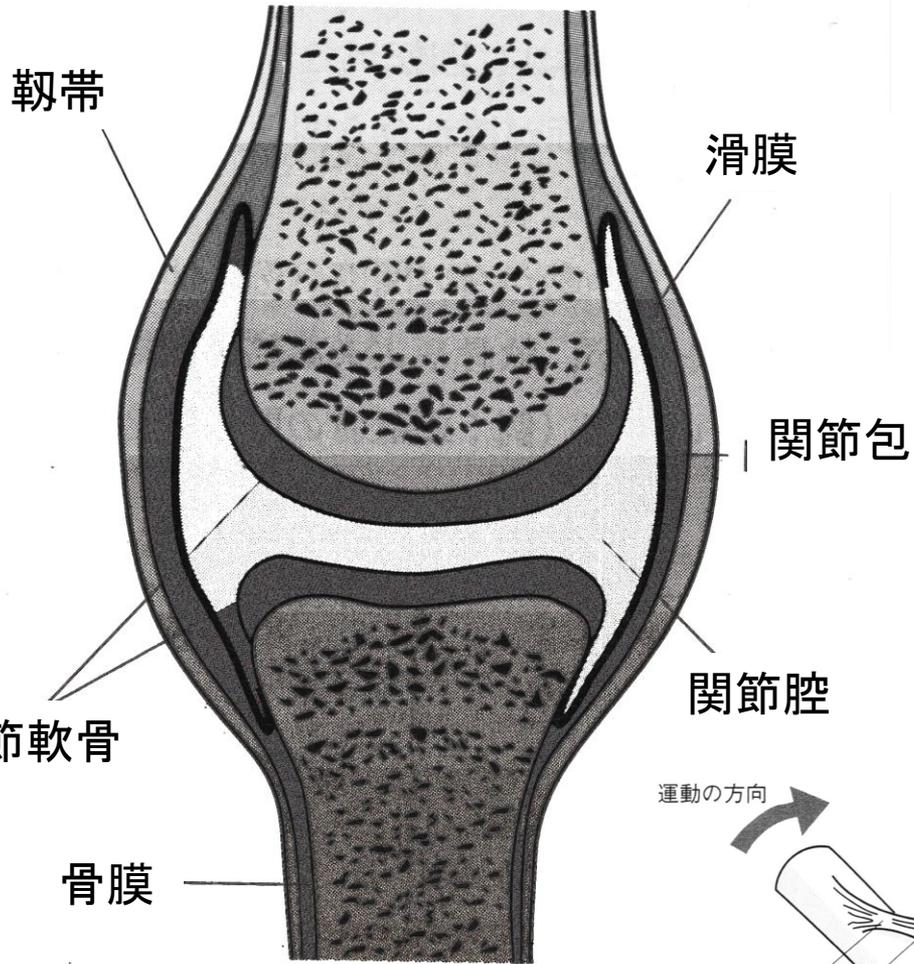
副甲状腺ホルモン(PTH)(上皮小体ホルモン)

骨から**Ca**と**P**を溶かす

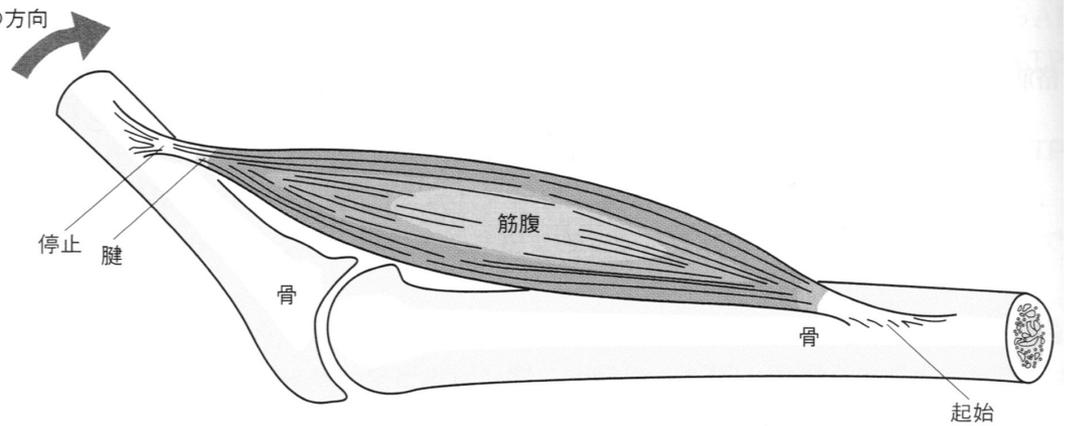
カルシトニン(甲状傍濾胞細胞ホルモン)

**Ca**と**P**の沈着を促進

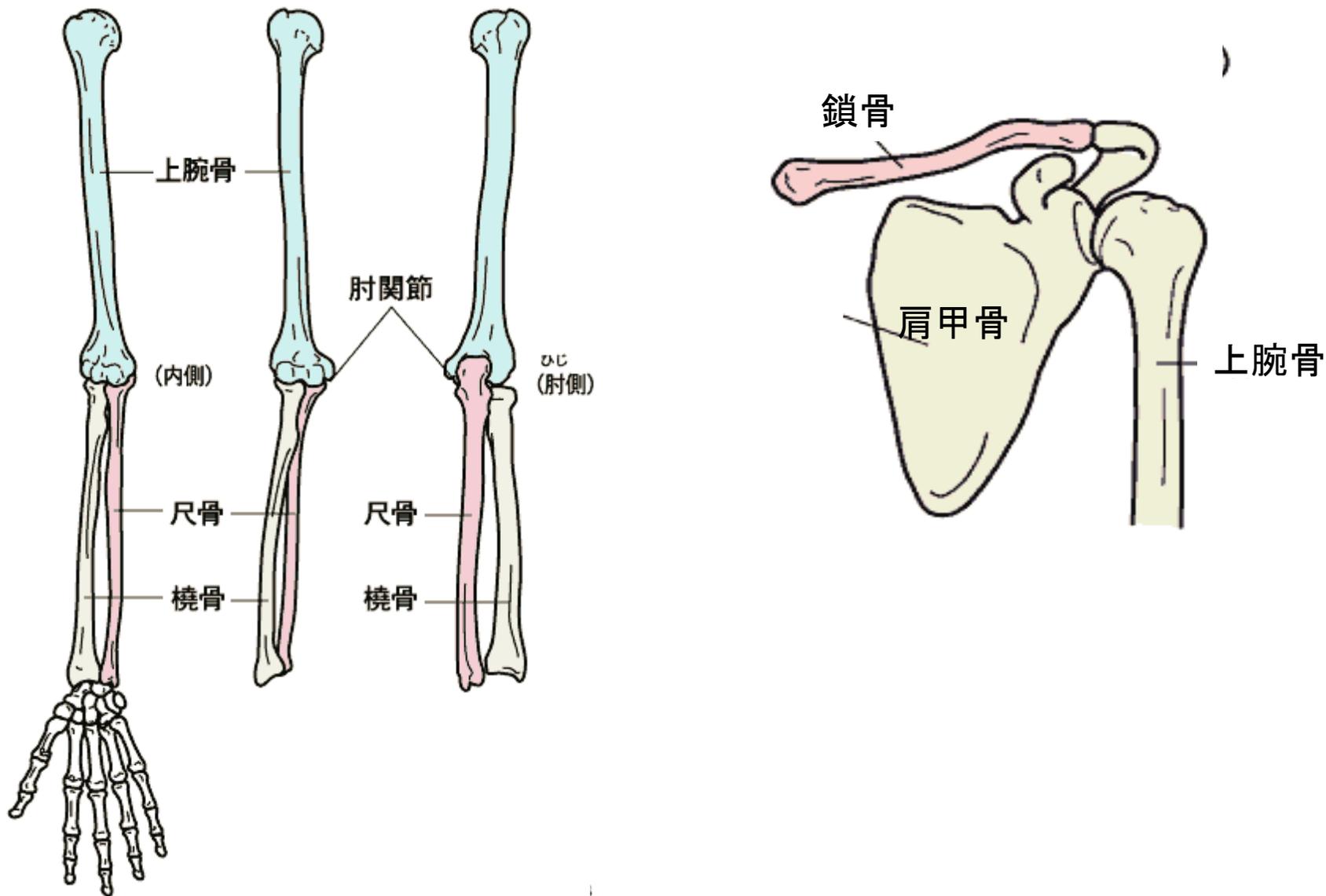
# 關節



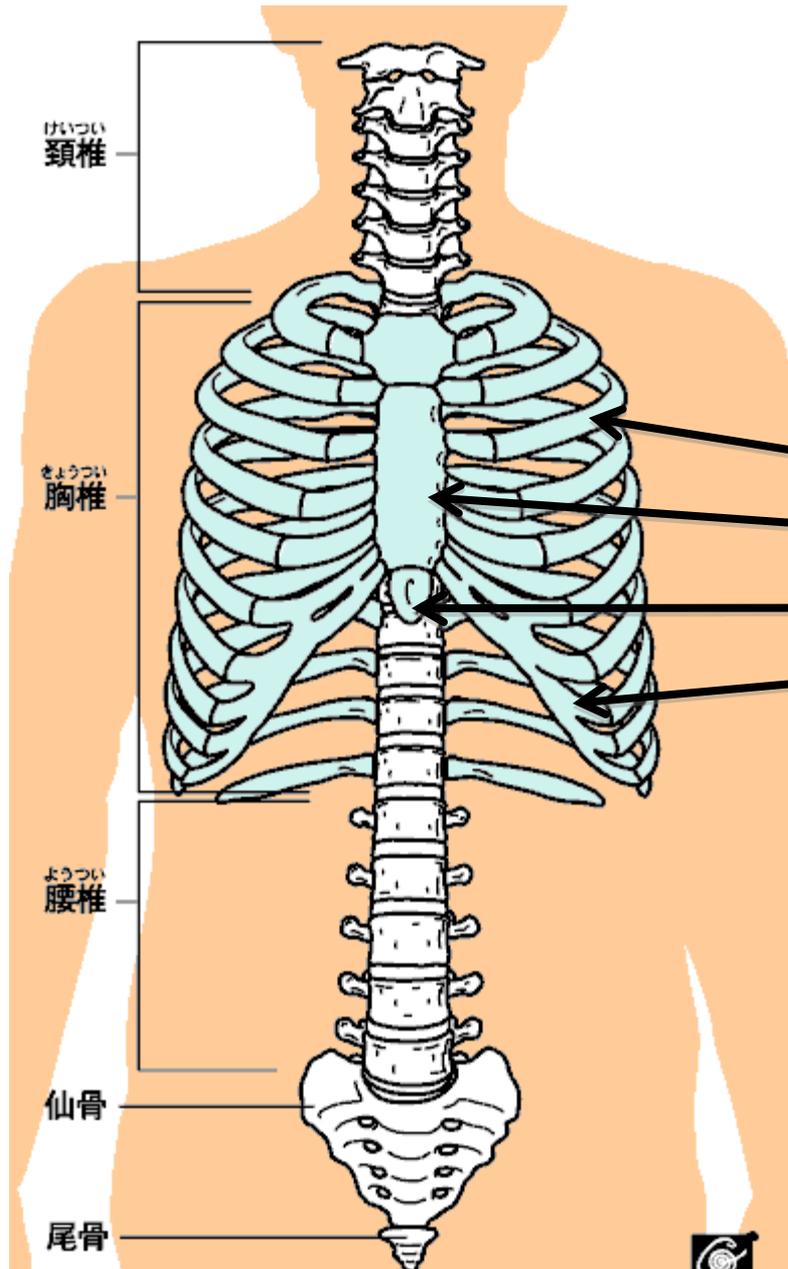
運動の方向



# 上肢と肩の骨

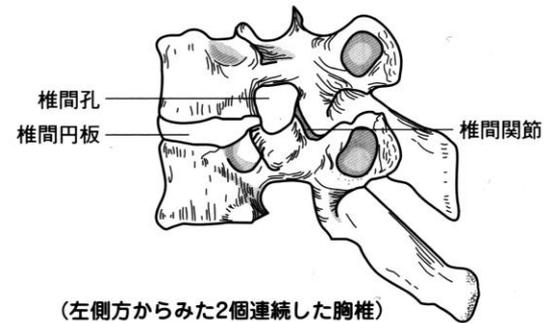
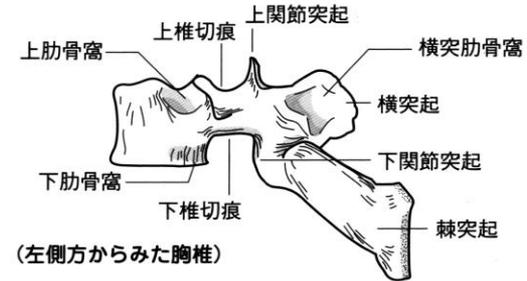
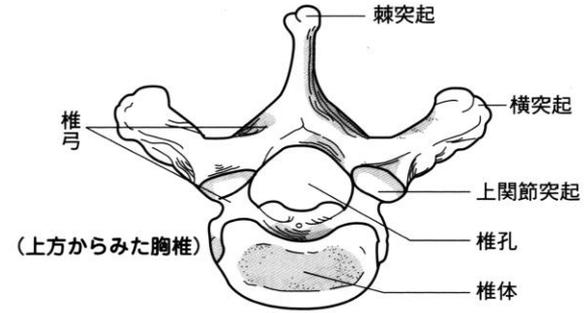
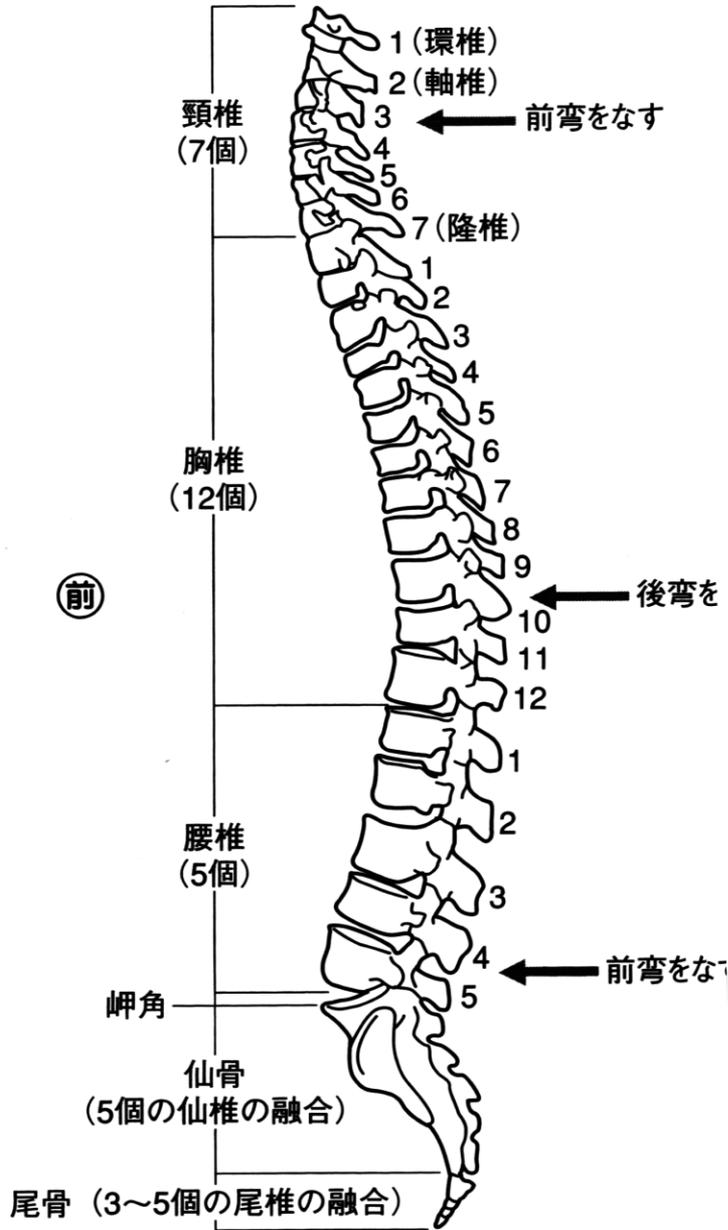


# 肋骨と脊椎

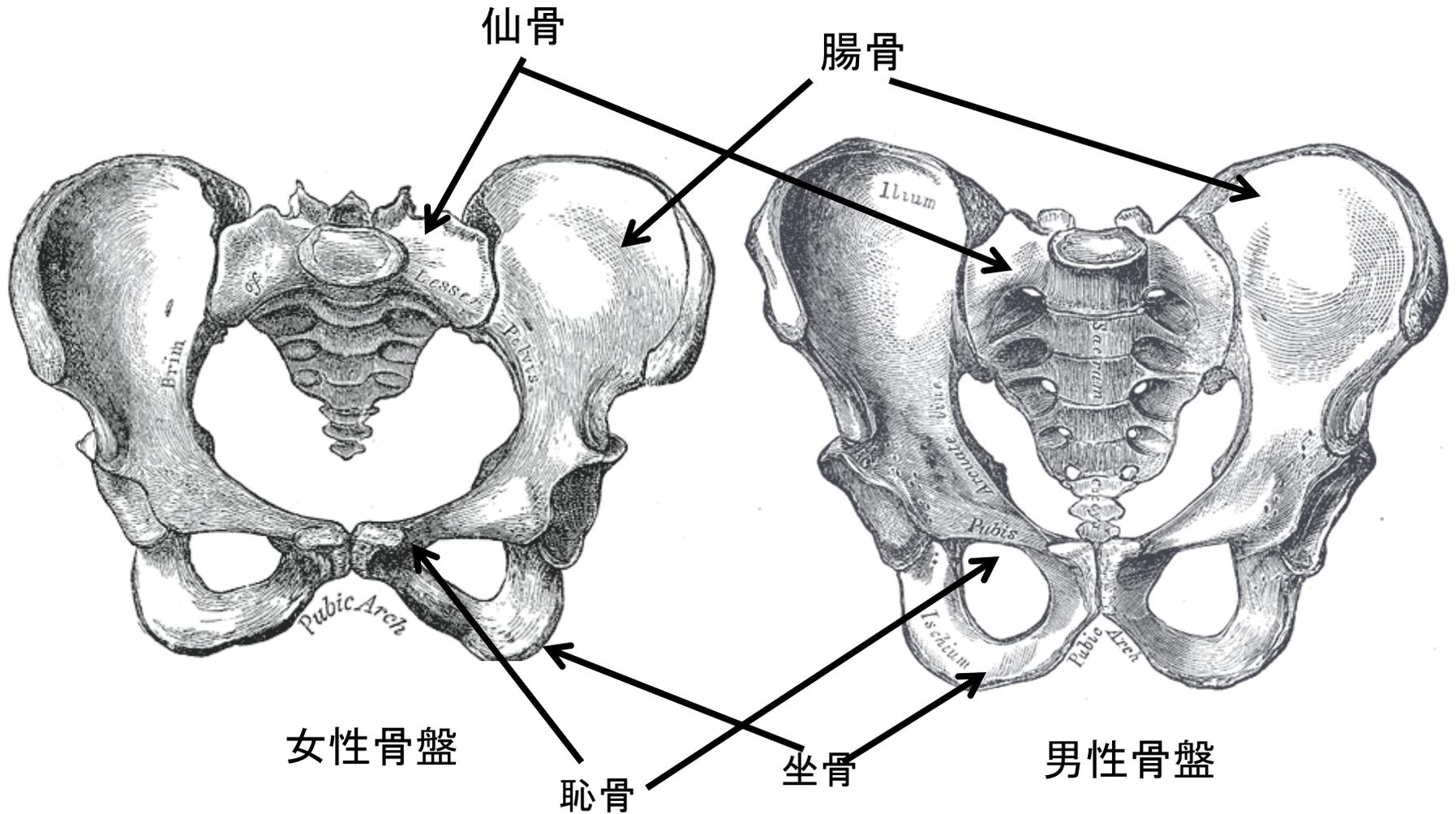


- 頸椎 (7個)
- 胸椎 (12個)
- 肋骨 12対
- 胸骨
- 胸骨丙
- 肋軟骨
- 腰椎 (5個)
- 仙骨
- 尾骨

# 脊椎



# 骨盤



仙骨

腸骨

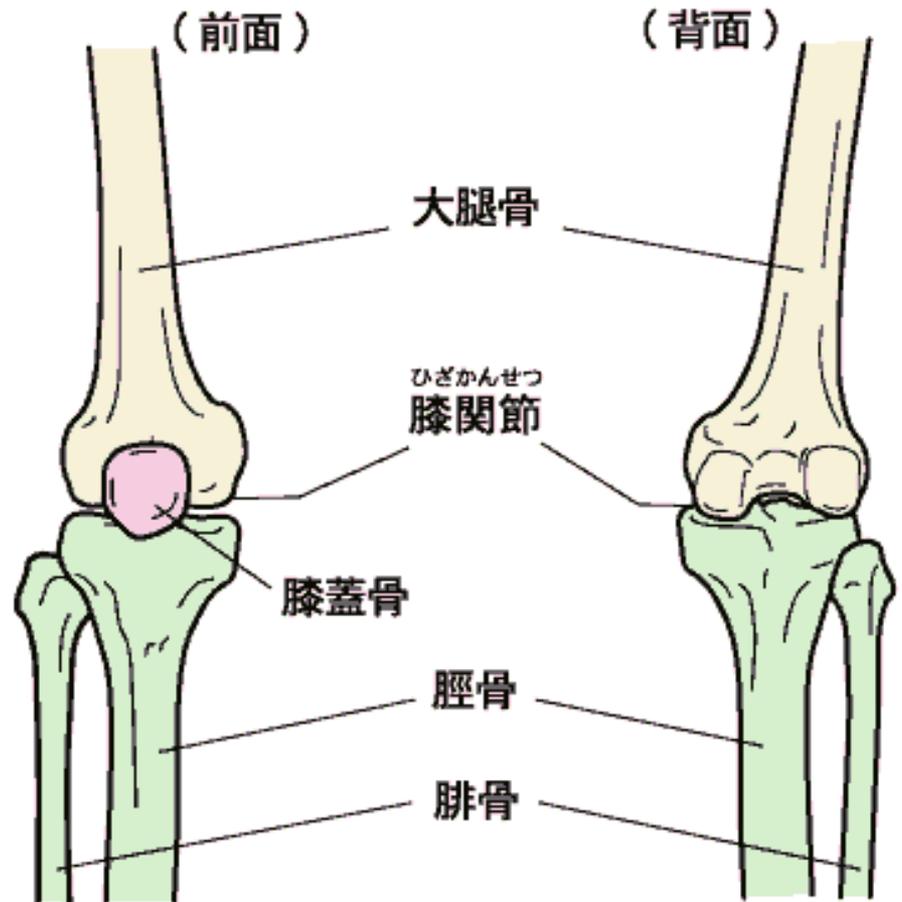
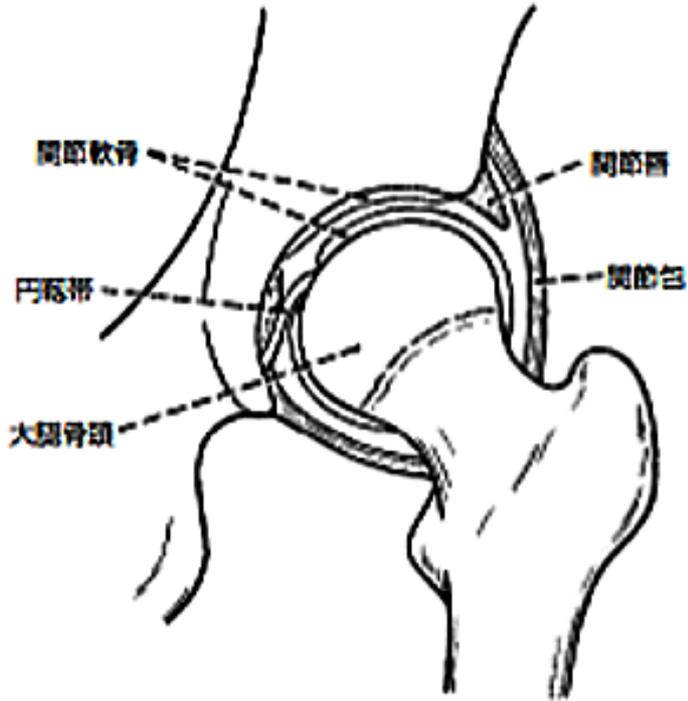
女性骨盤

男性骨盤

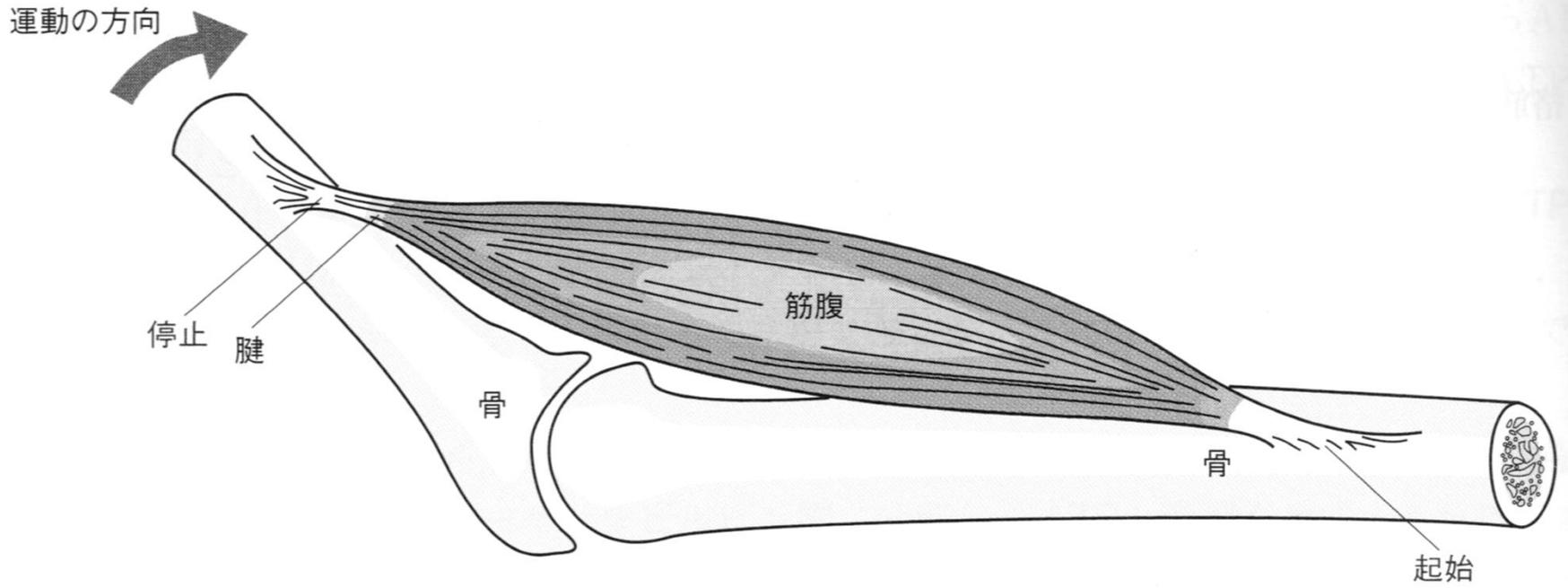
恥骨

坐骨

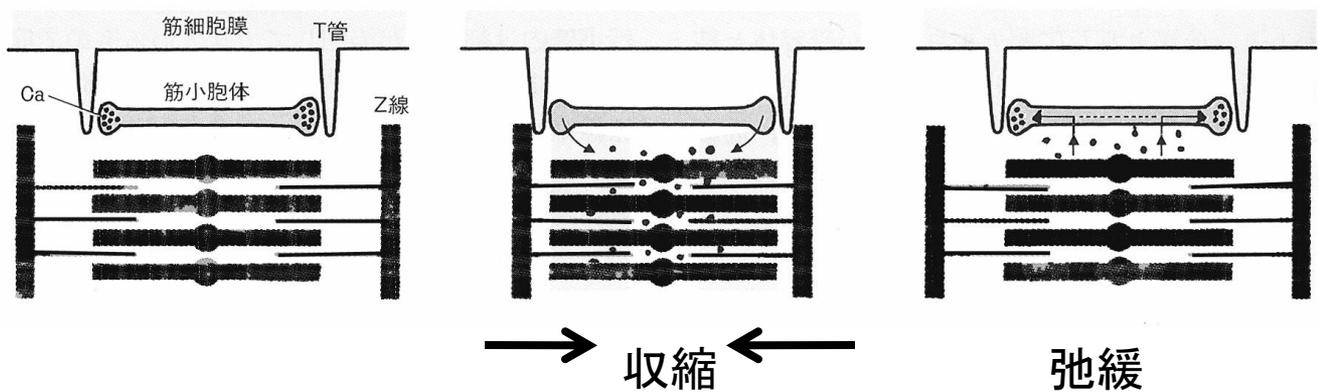
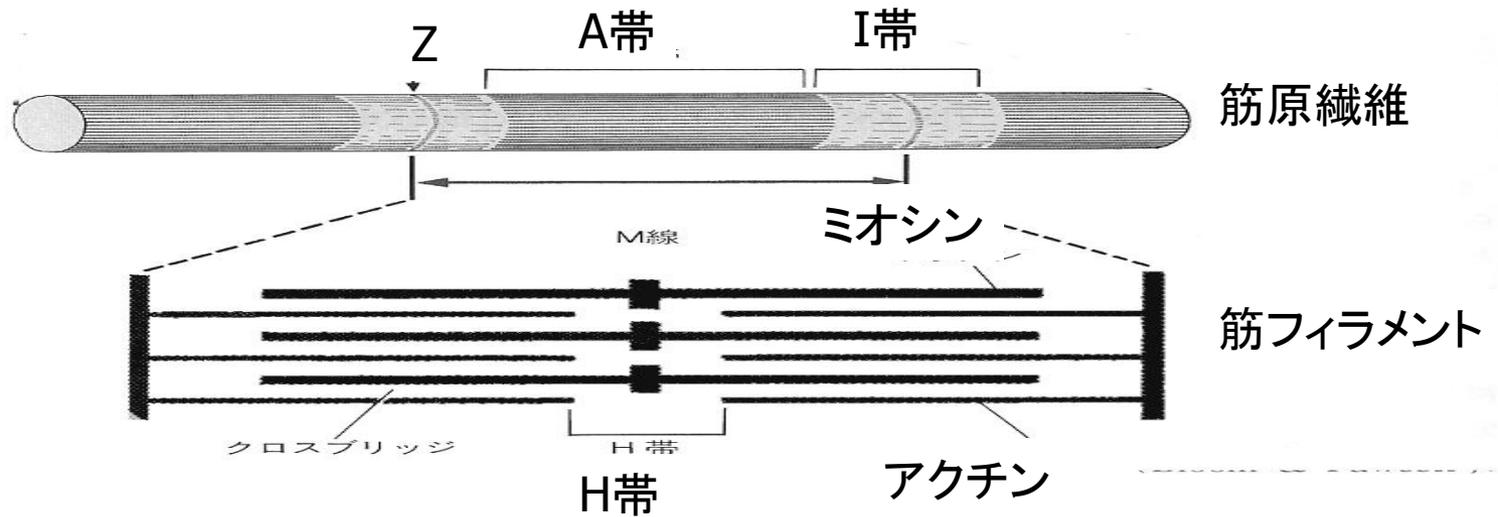
# 股関節と下肢の骨



# 骨格筋



# 骨格筋の収縮機構



# 運動の方向

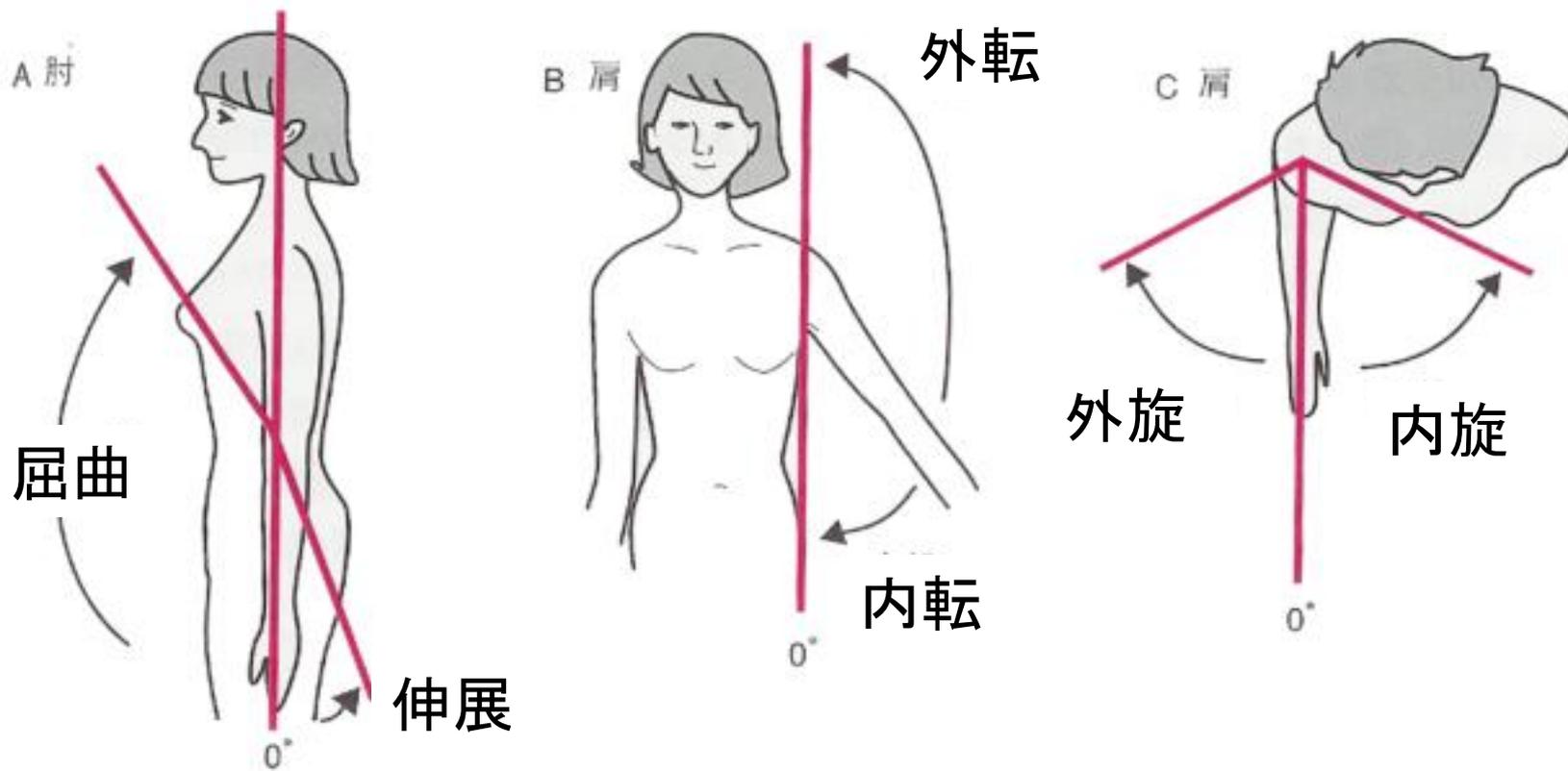


図 13-2 運動の方向  
(東博彦ら, 1996 より改変)