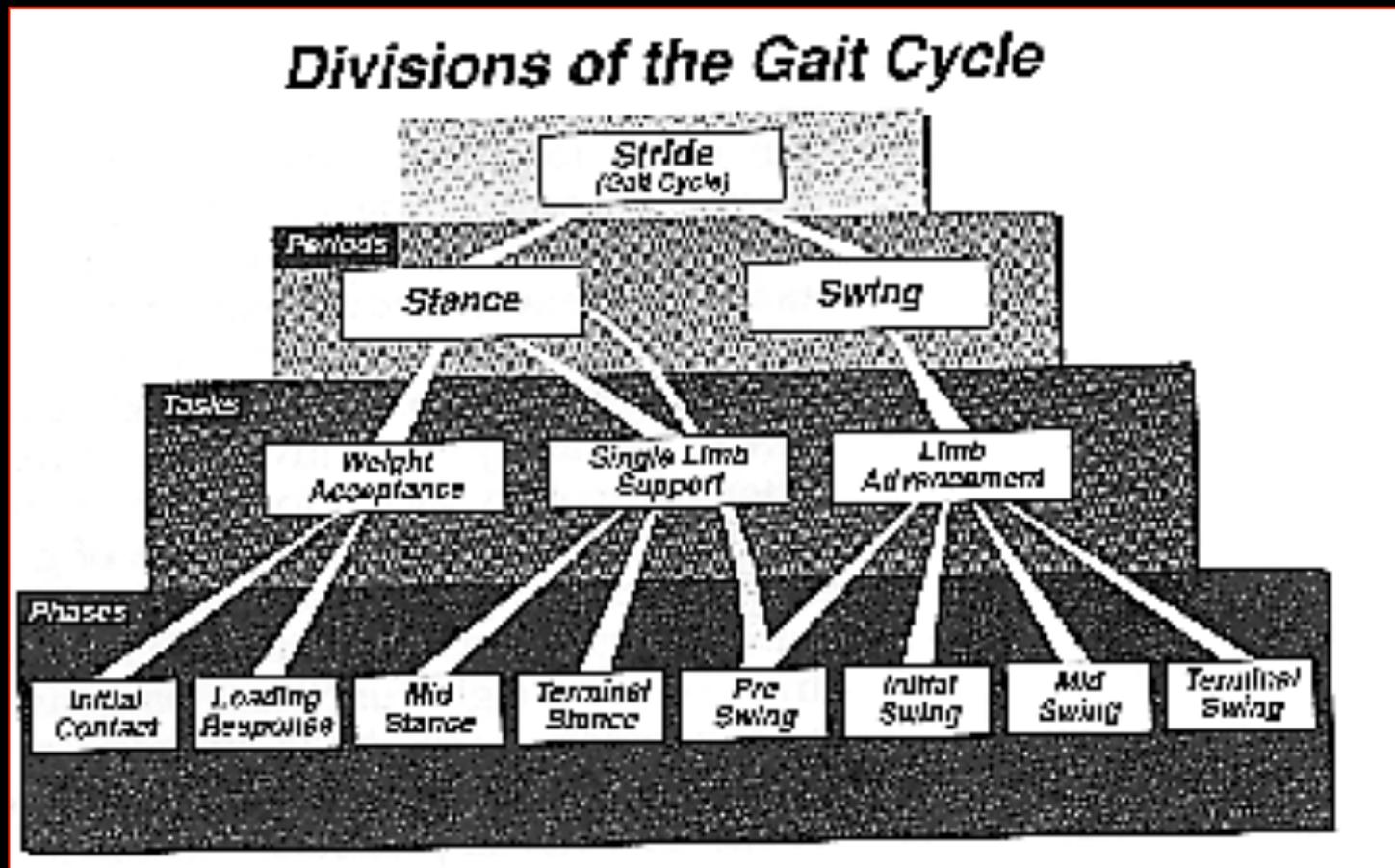
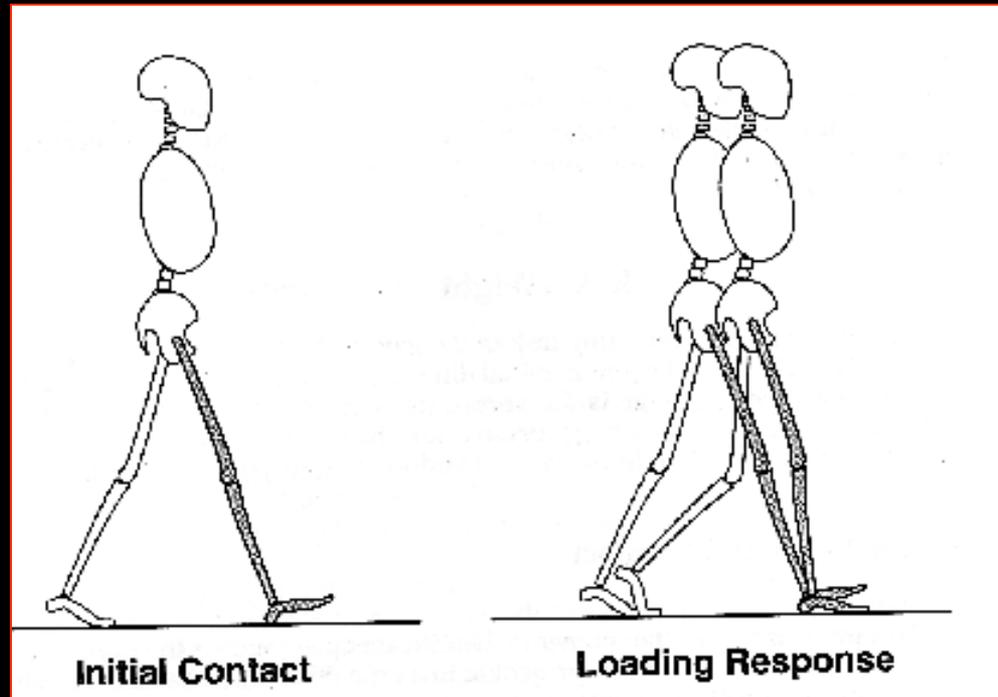


LA MARCHE NORMALE

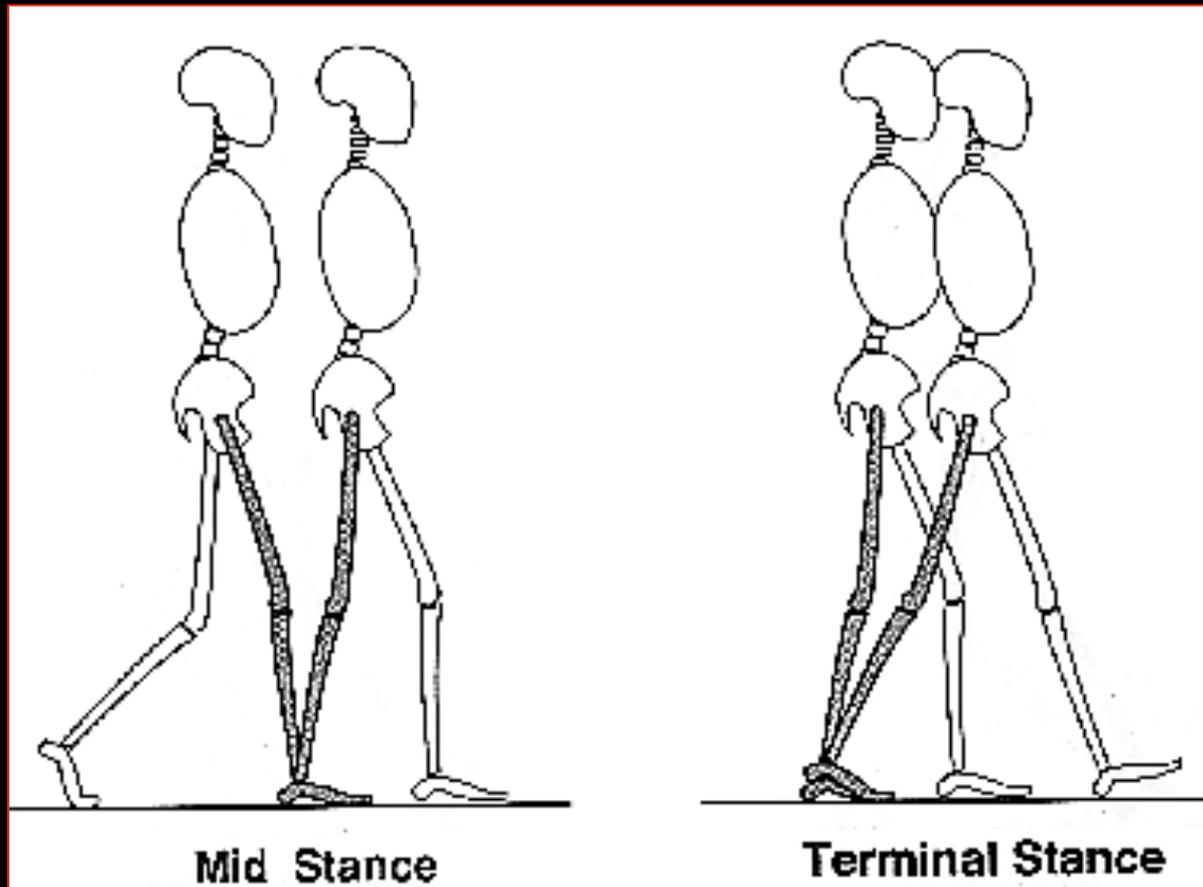
DIVISION DU CYCLE DE MARCHE





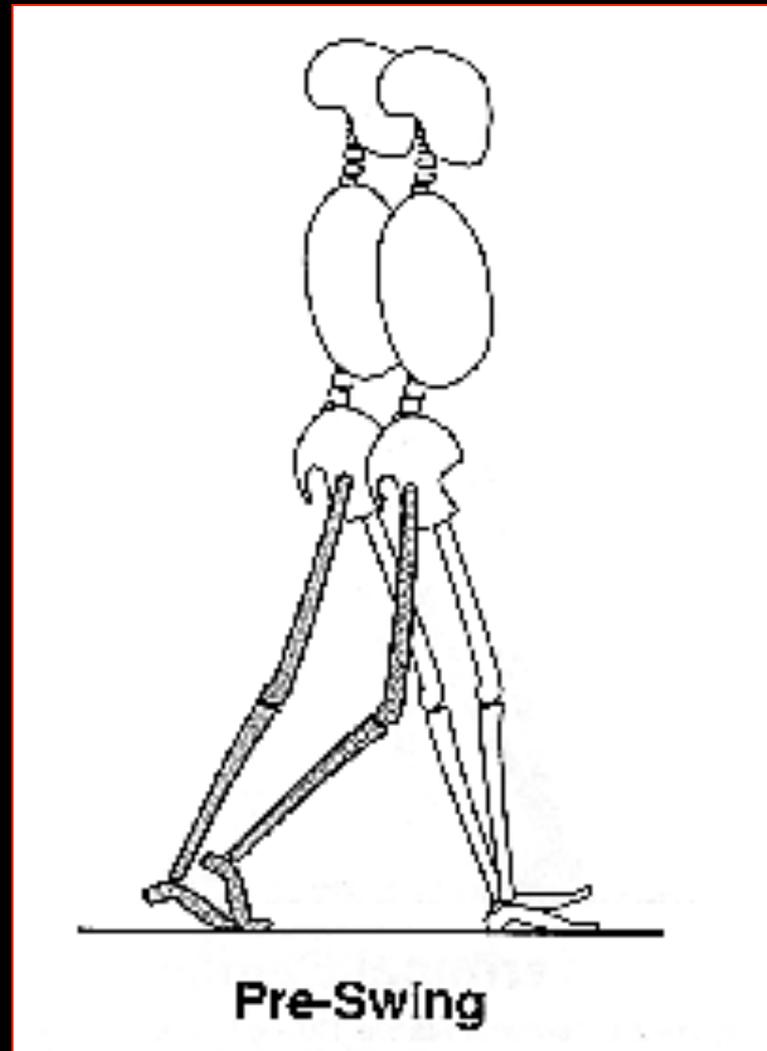
CONTACT INITIAL
0 – 2%

REPOSE A L' APPUI
2 – 10%

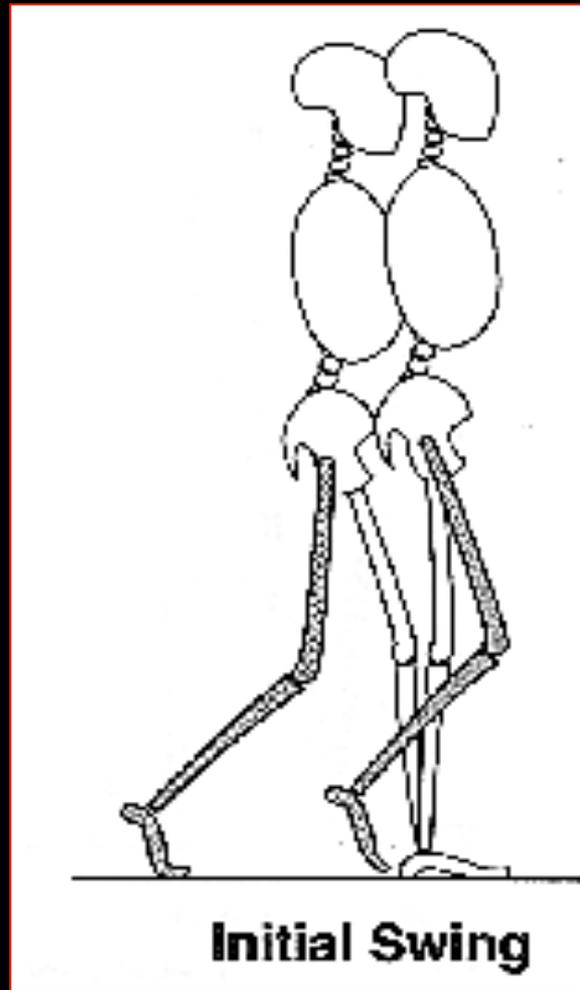


MILIEU D' APPUI
10 – 30%

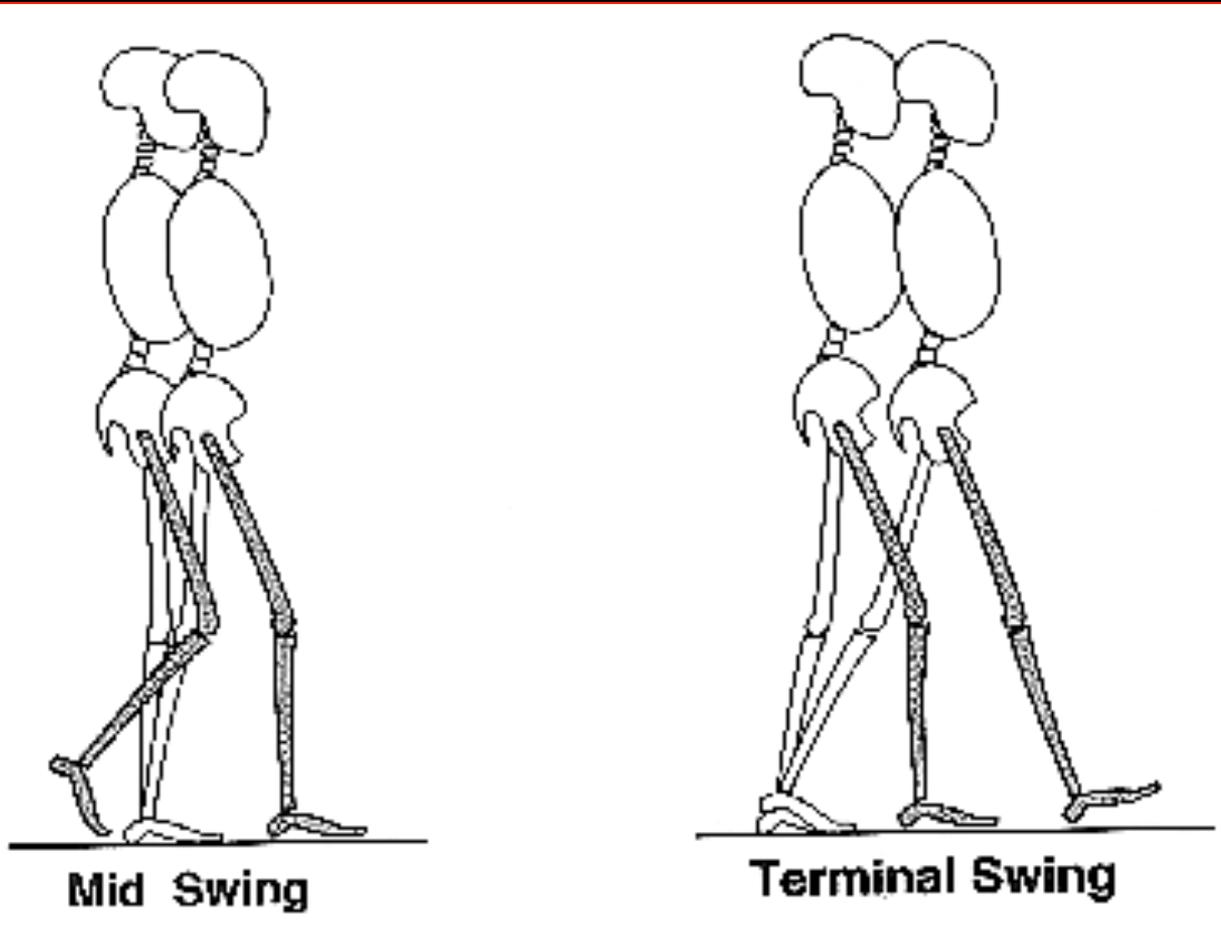
FIN D' APPUI
30 – 50%



PRE OSCILLANTE
50 – 60%

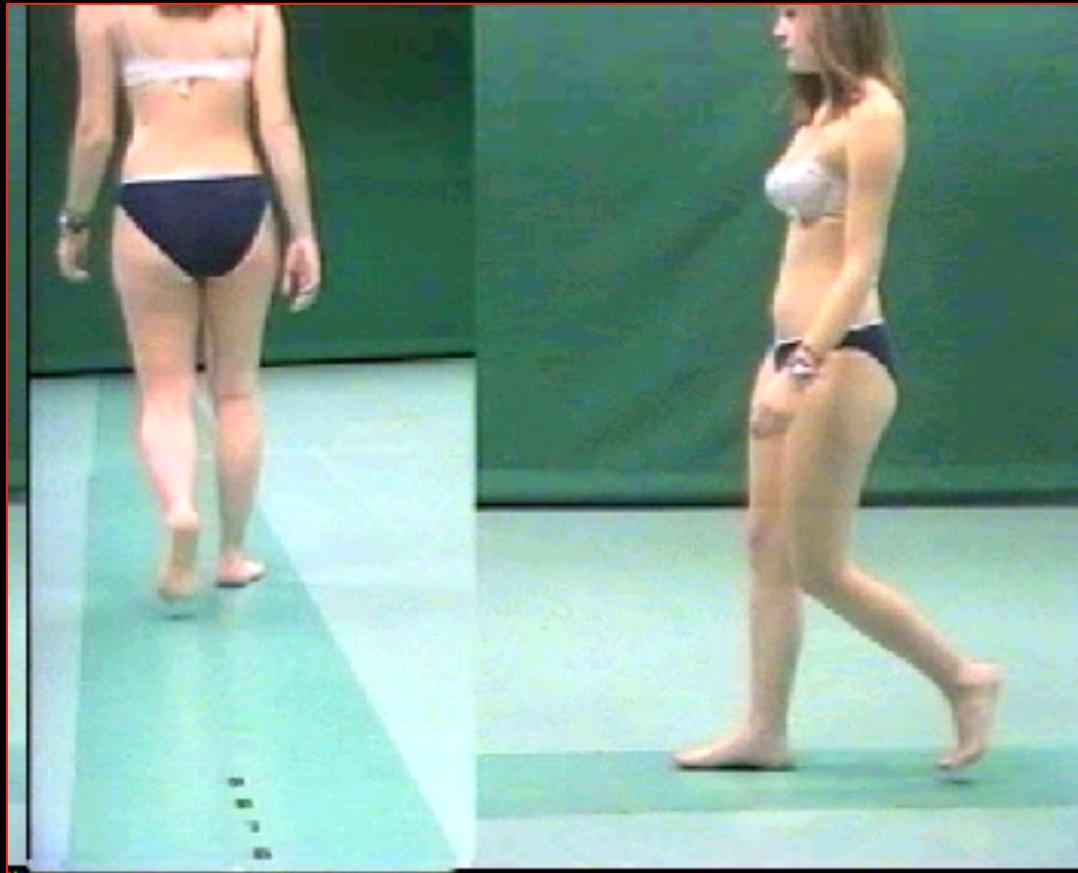


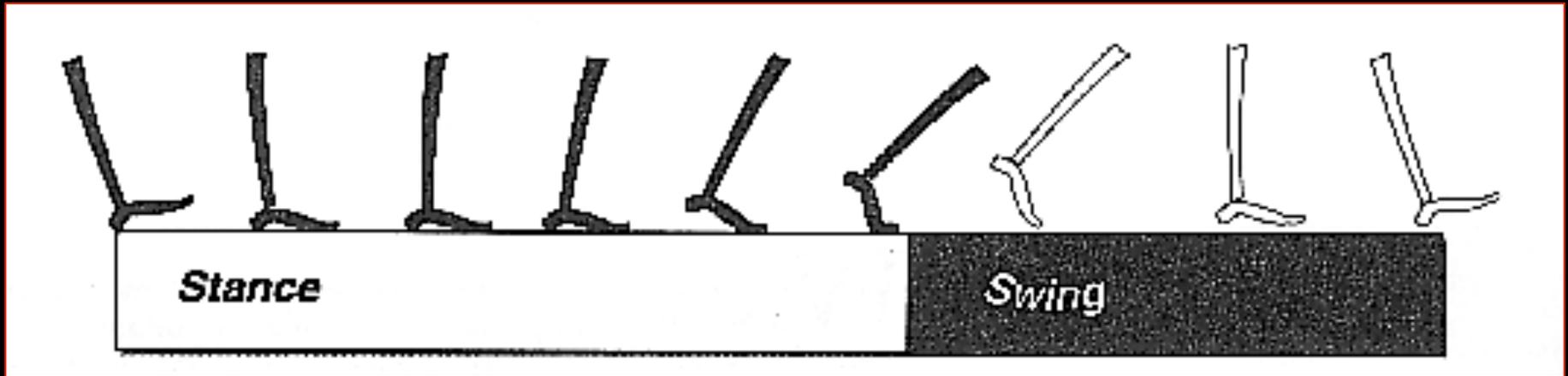
PRE OSCILLANTE INITIALE
60 – 73%



PRE OSCILLANTE MEDIANE
73 – 87%

PRE OSCILLANTE FINALE
87 – 100%



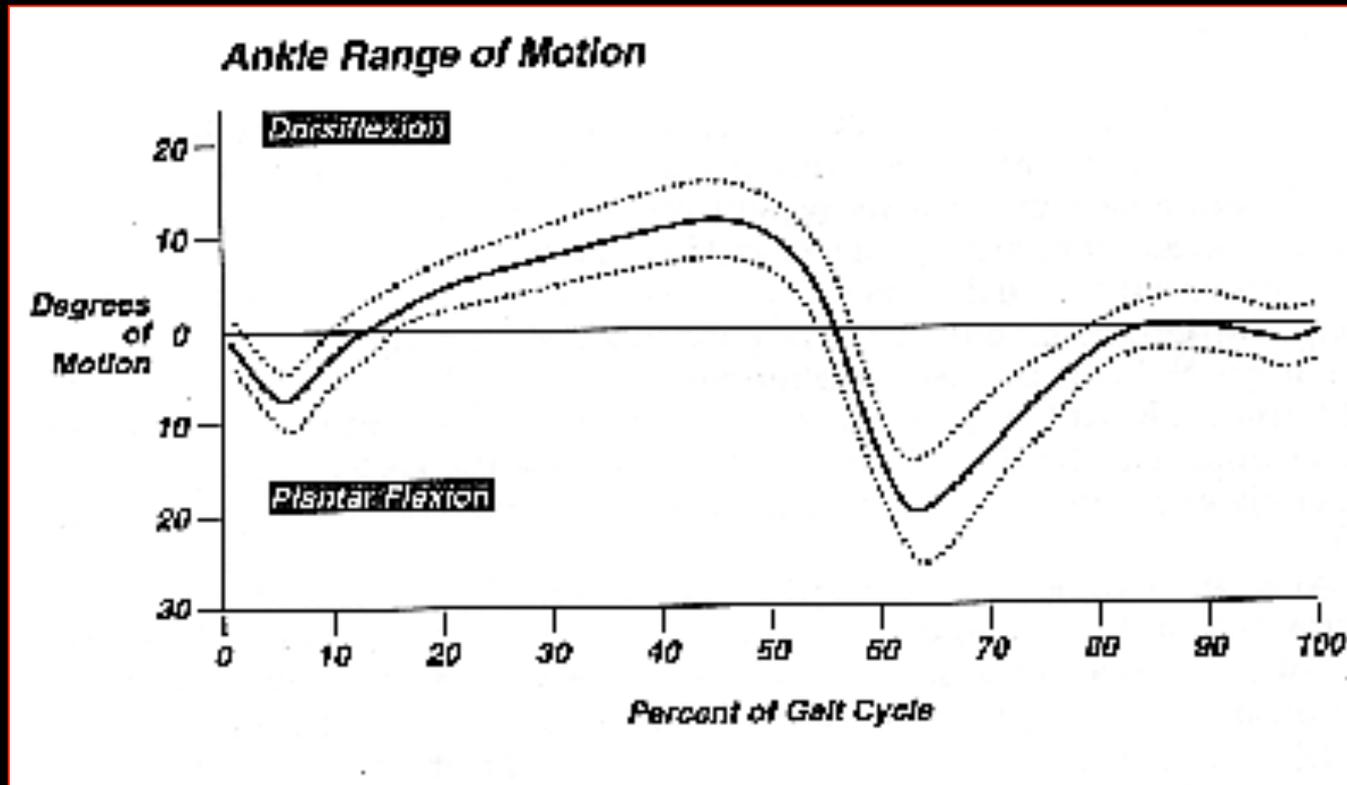


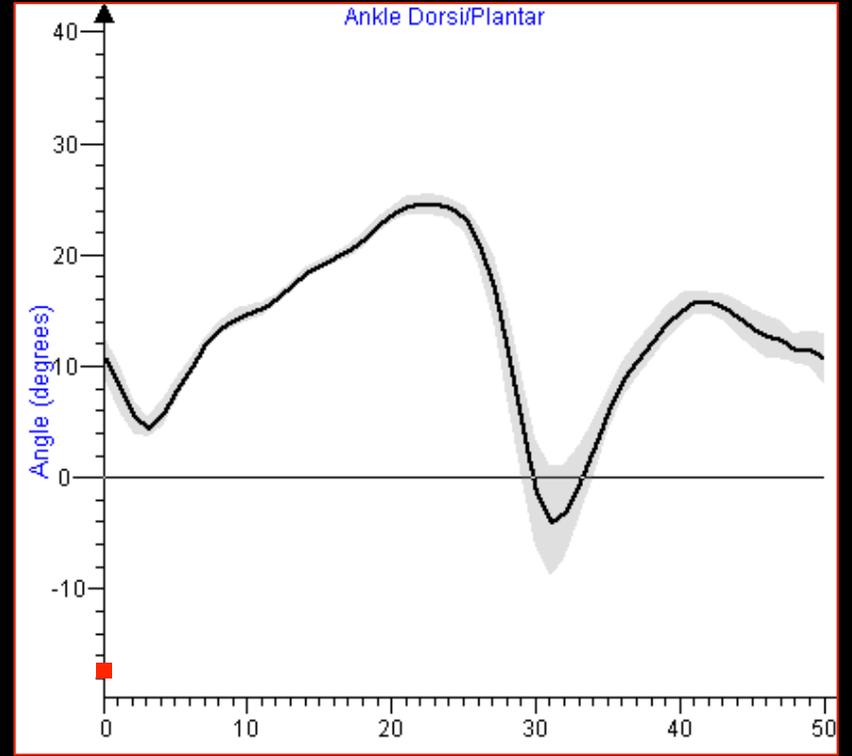
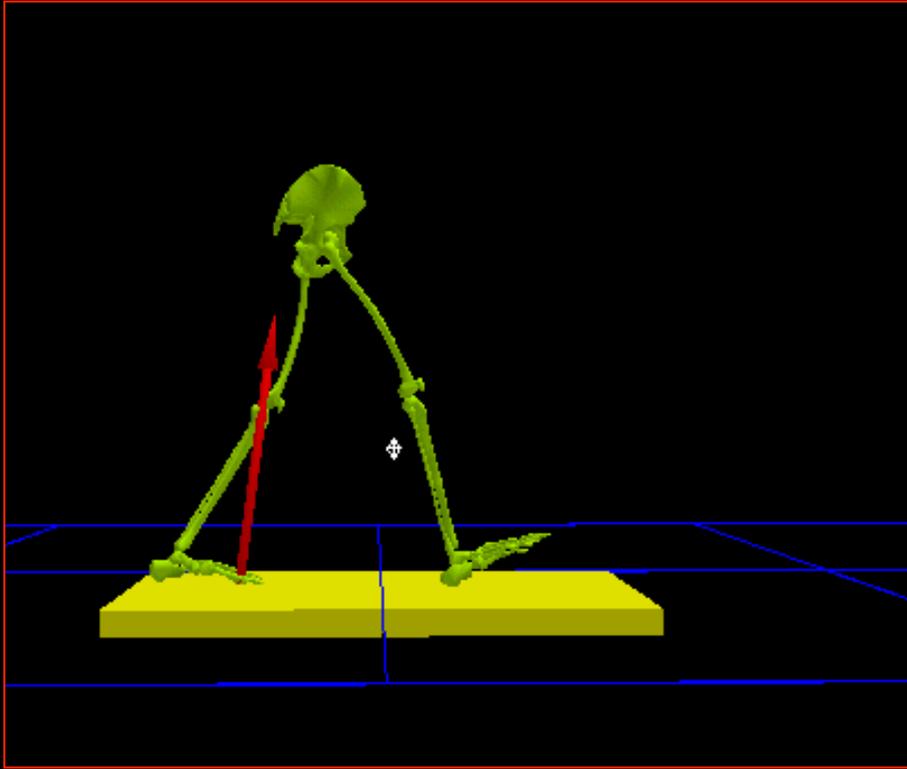
APPUI

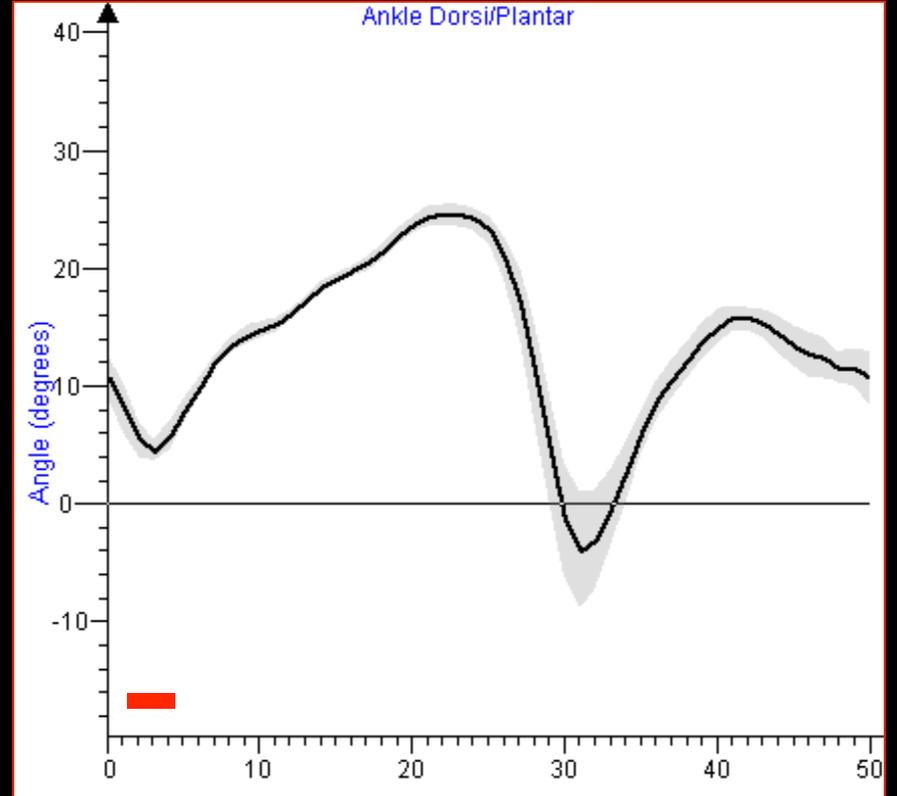
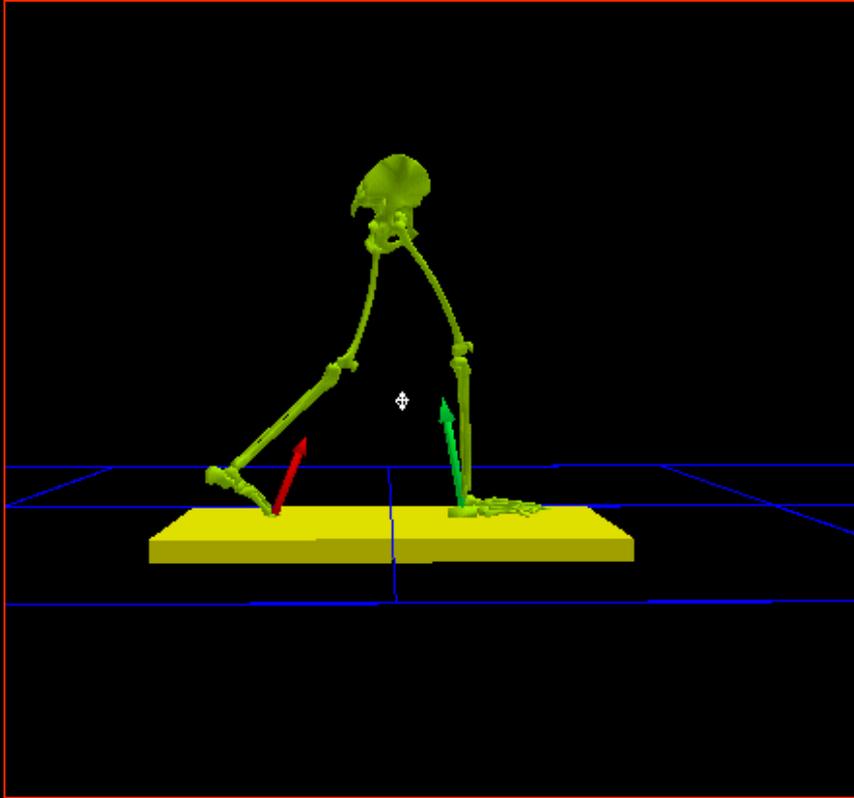
OSCILLANTE

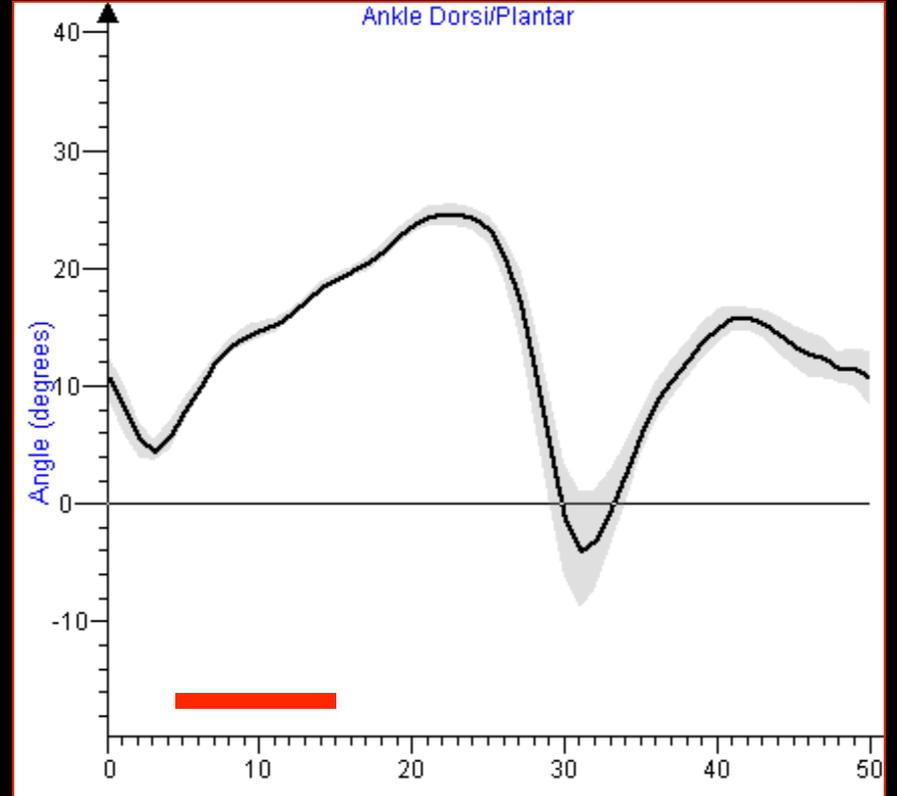
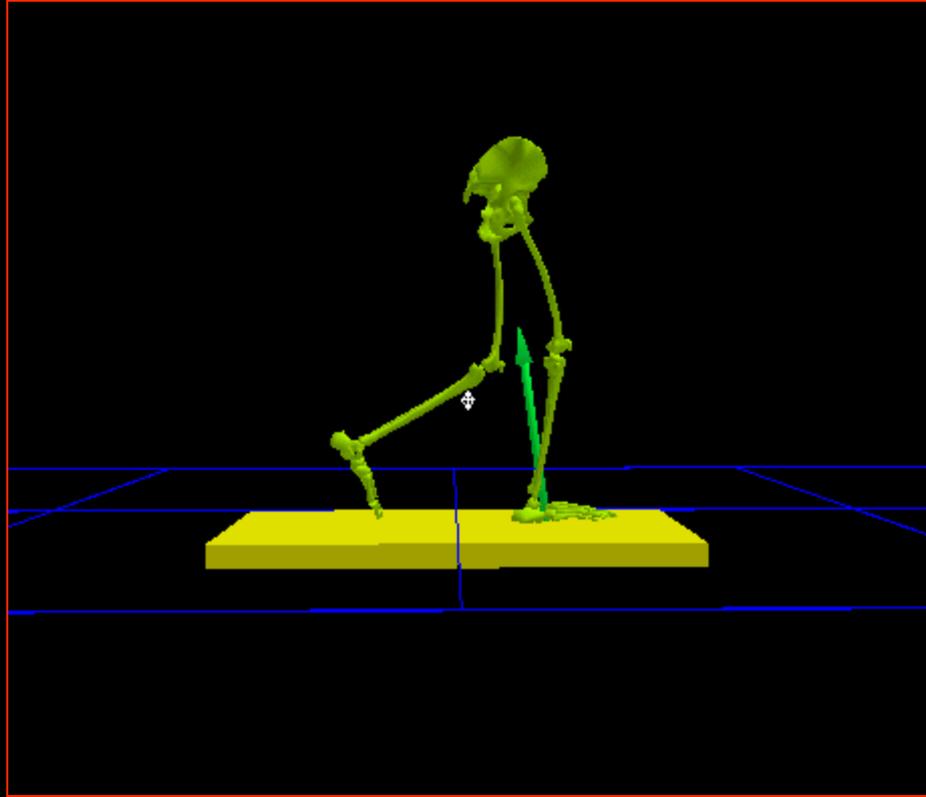
CINEMATIQUE DE LA CHEVILLE

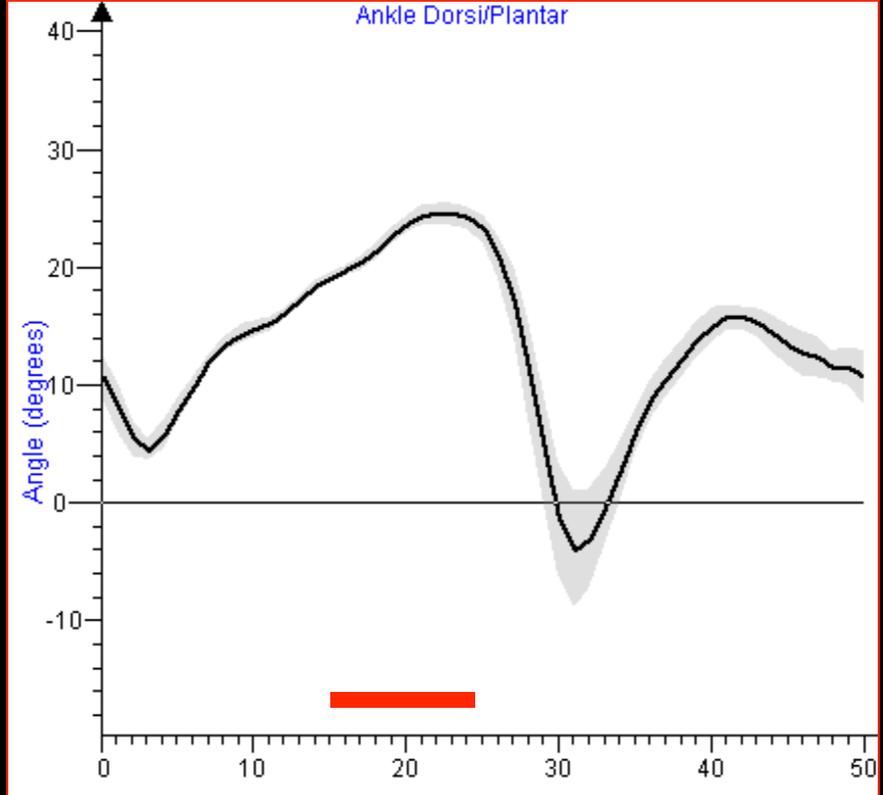
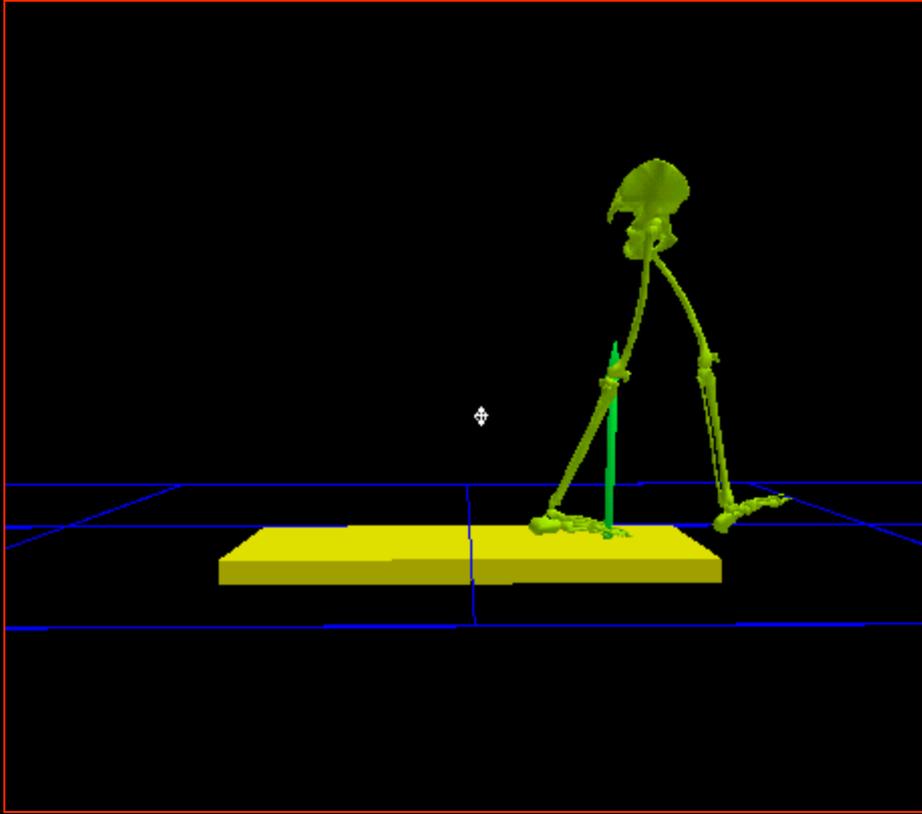
Plan sagittal

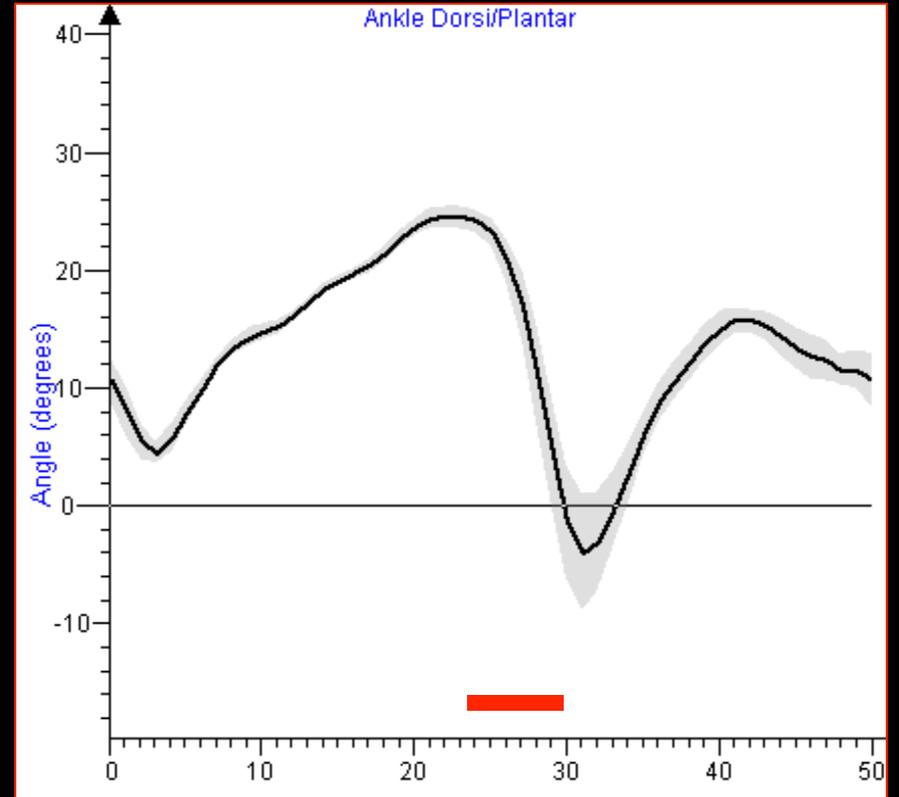
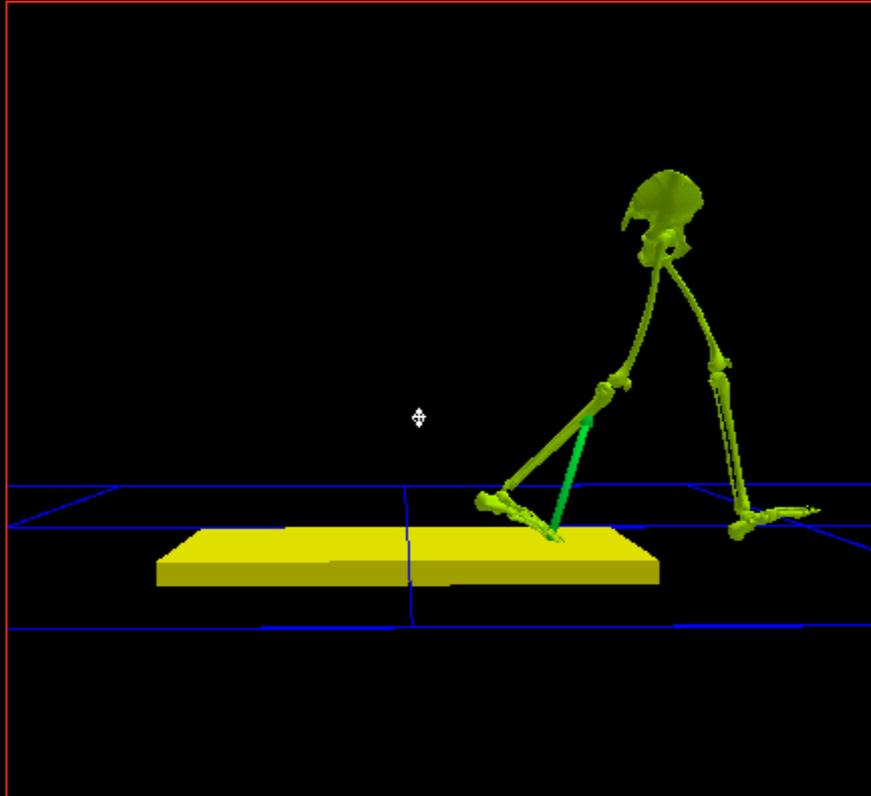


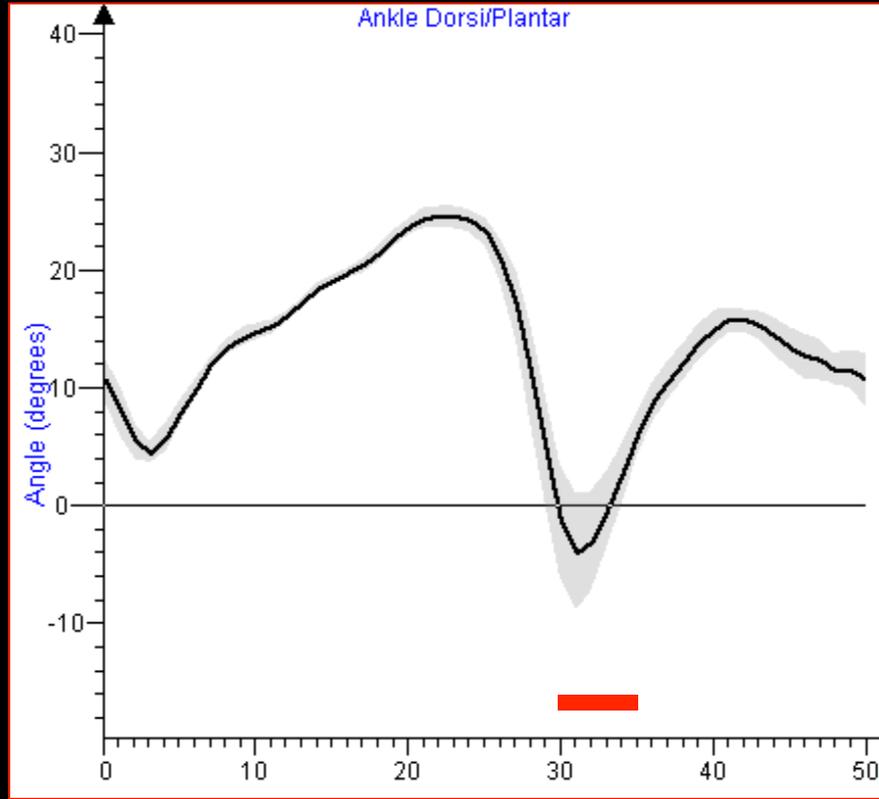
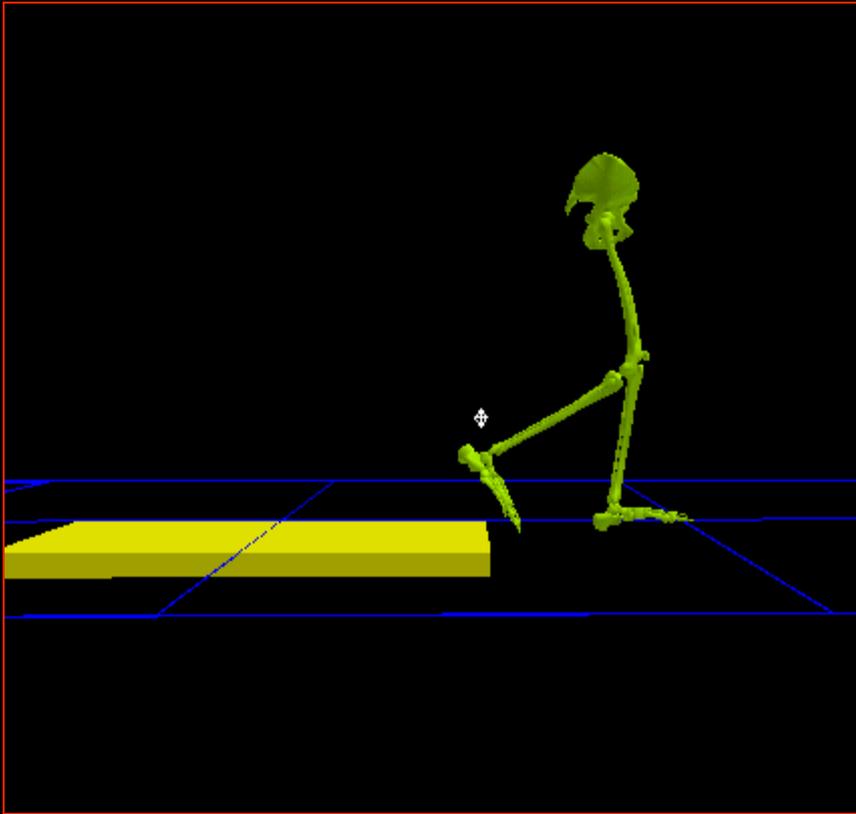


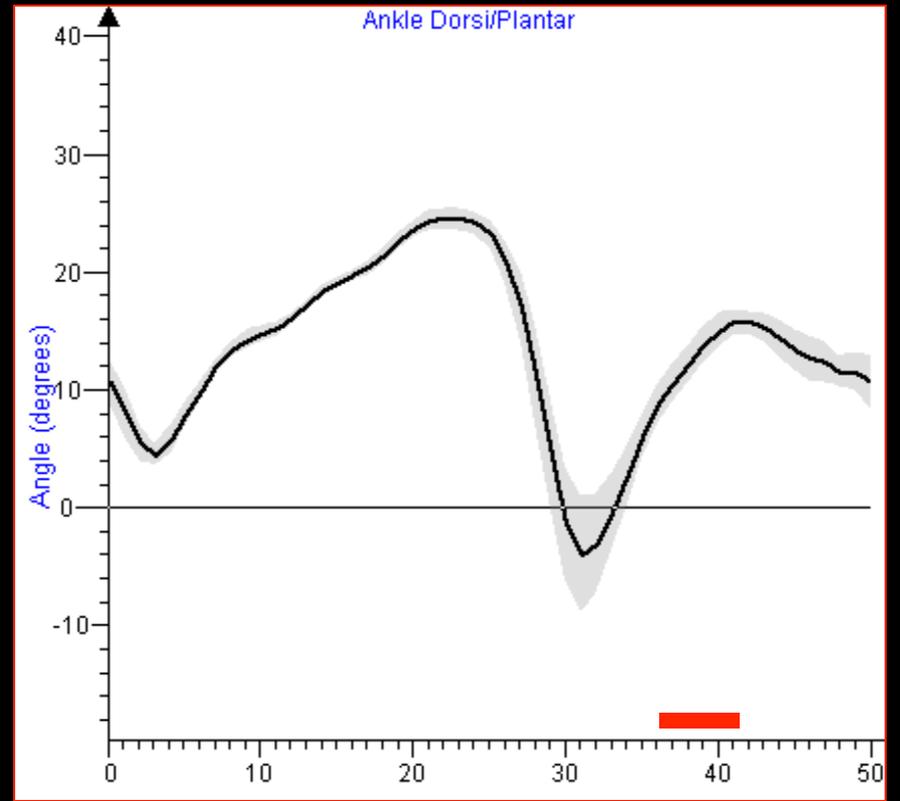
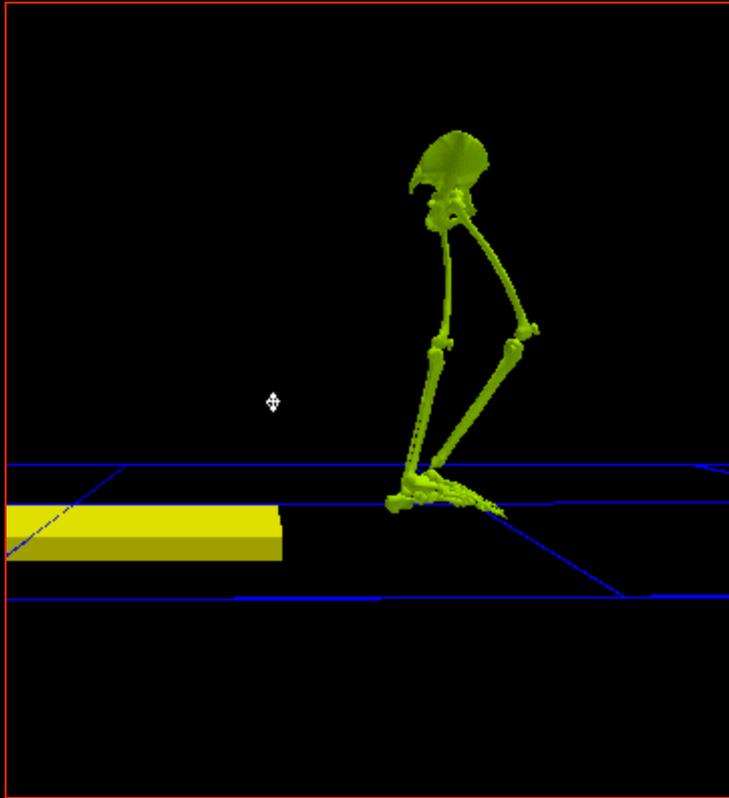


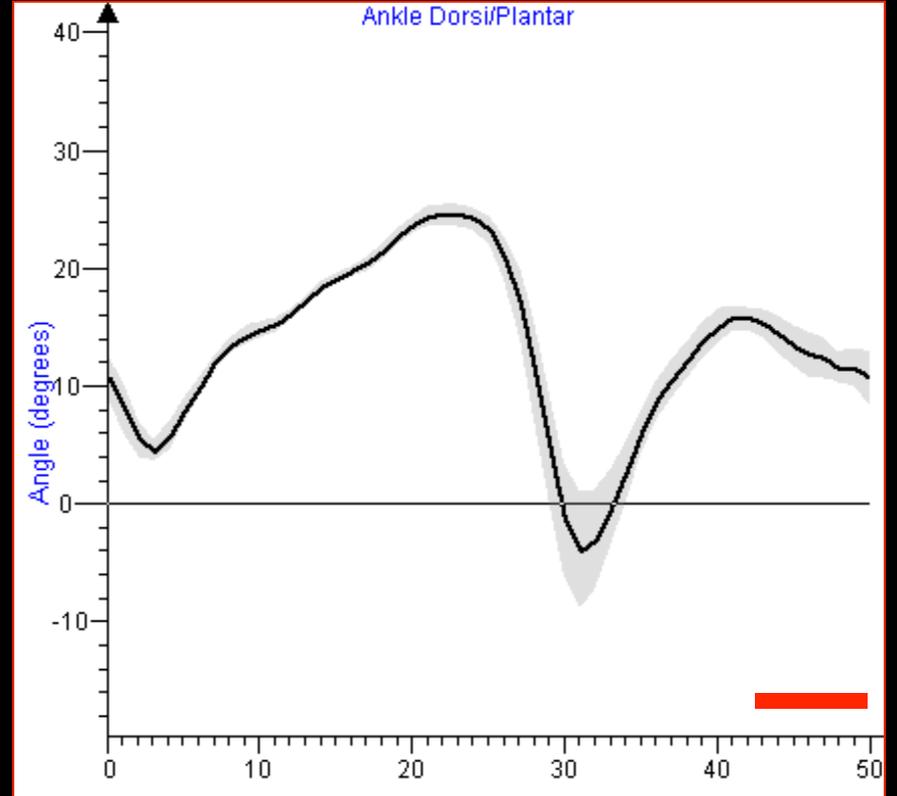
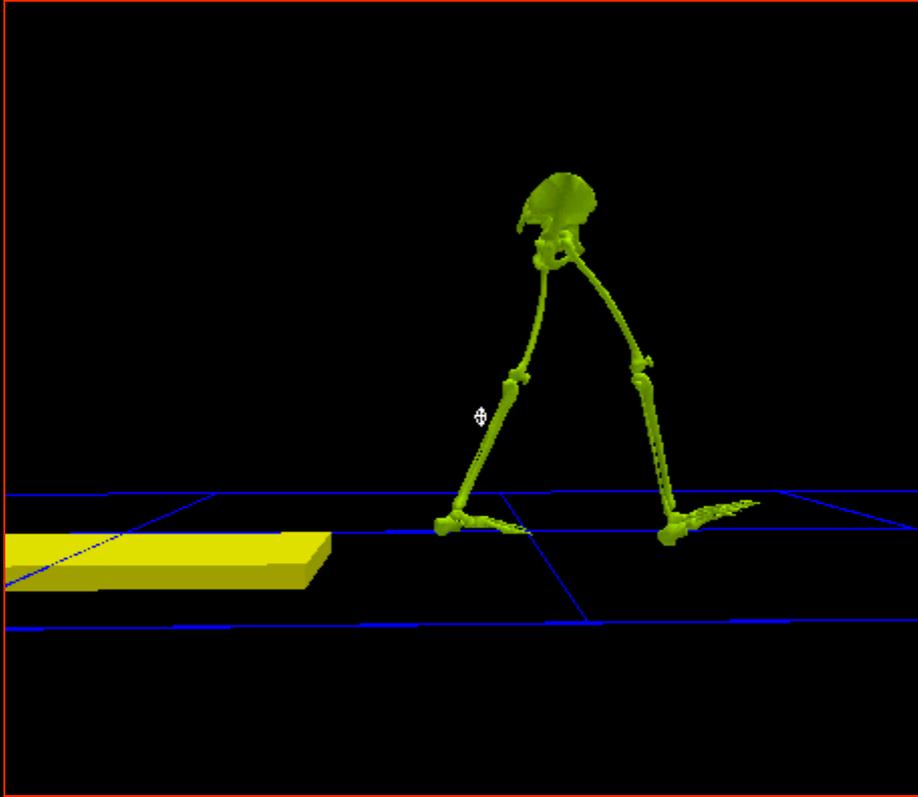


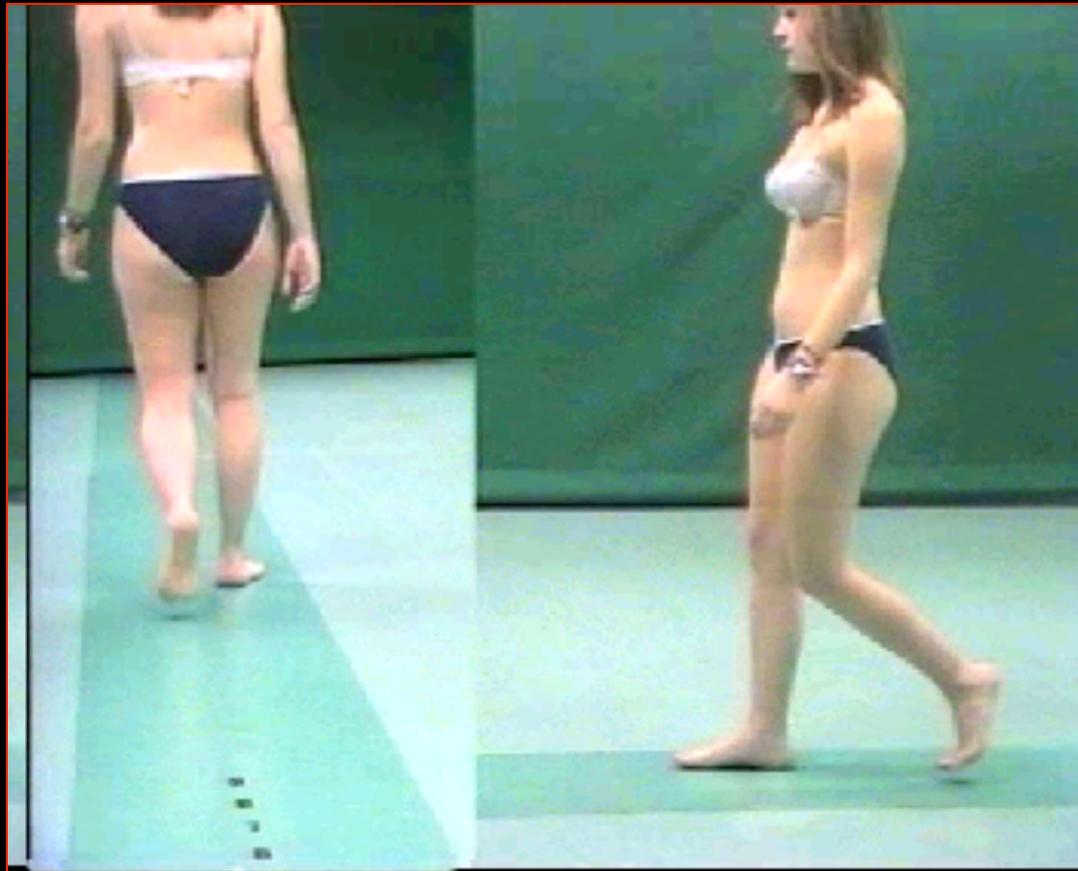






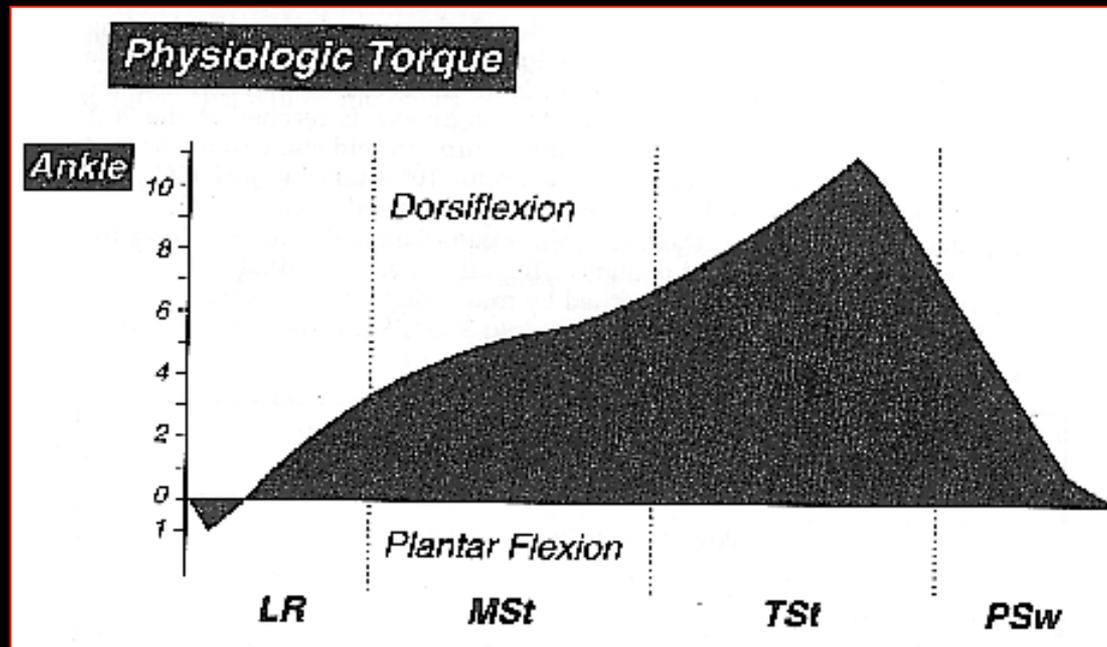


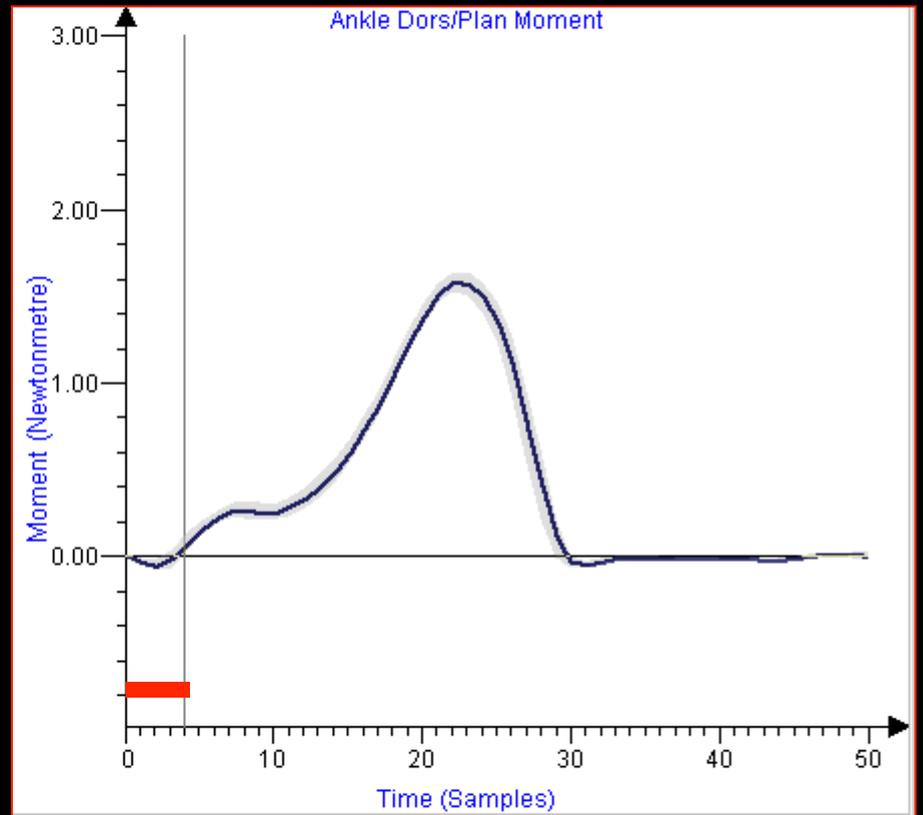
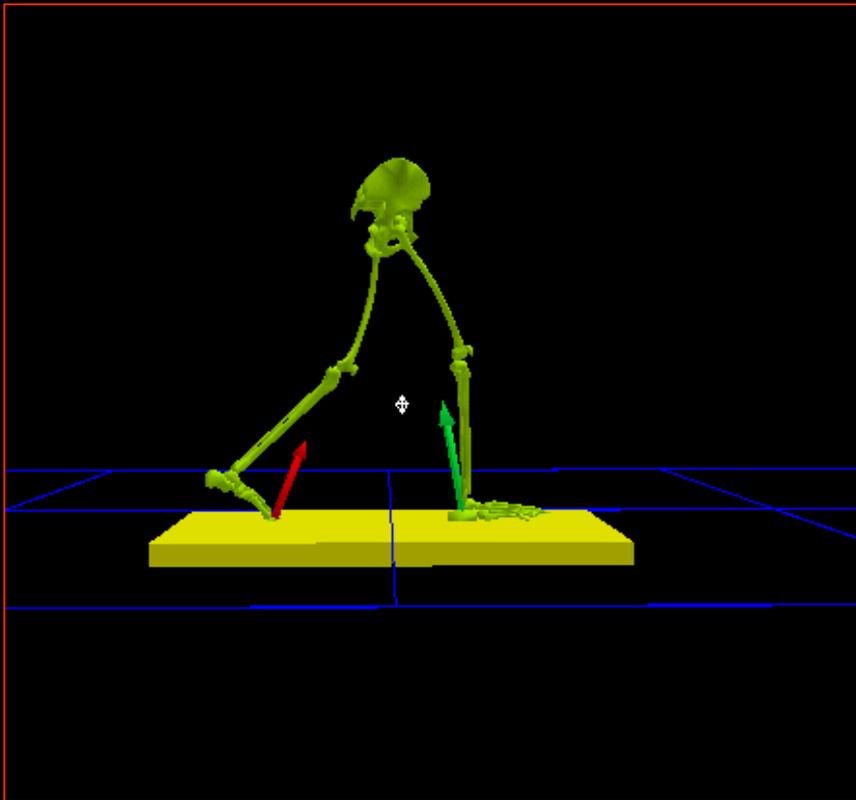


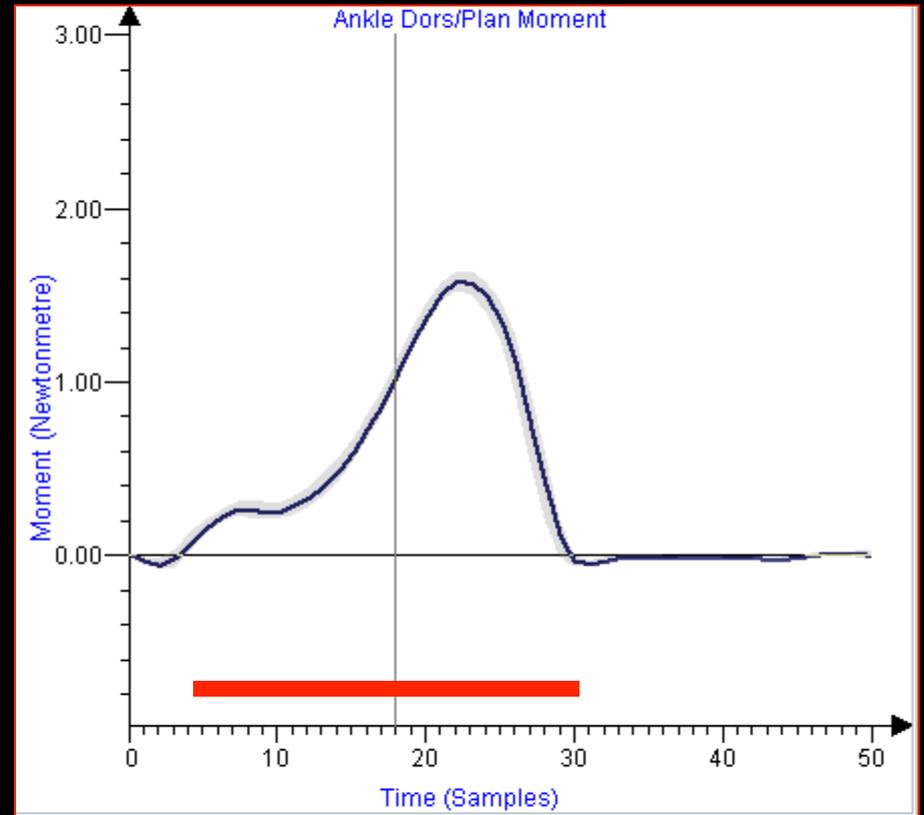
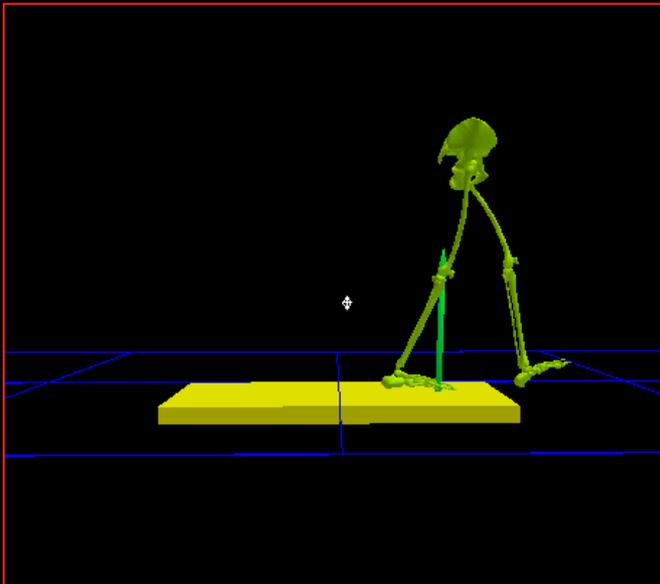
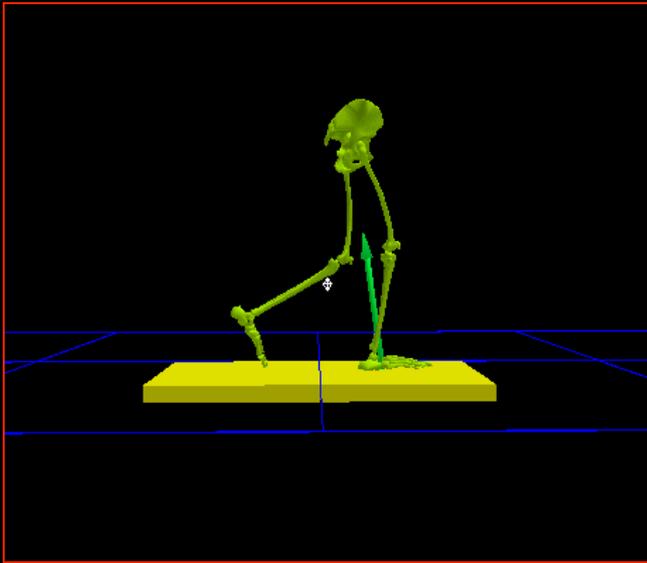


CINETIQUE DE CHEVILLE

Plan sagittal

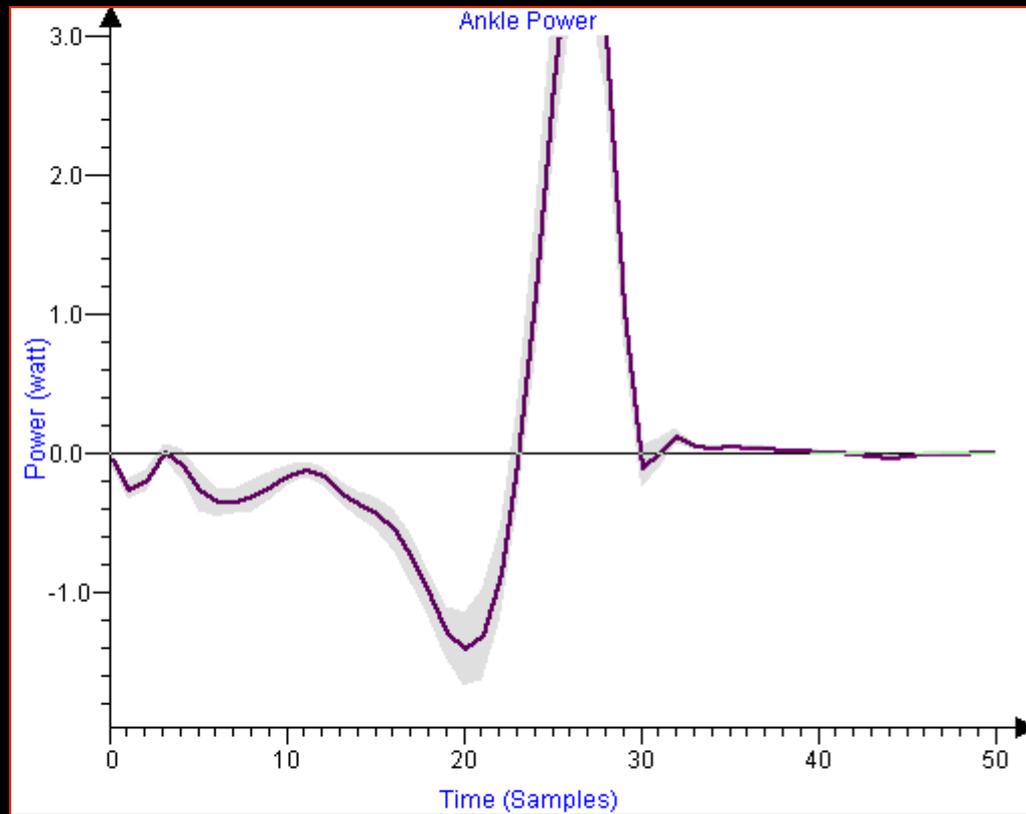




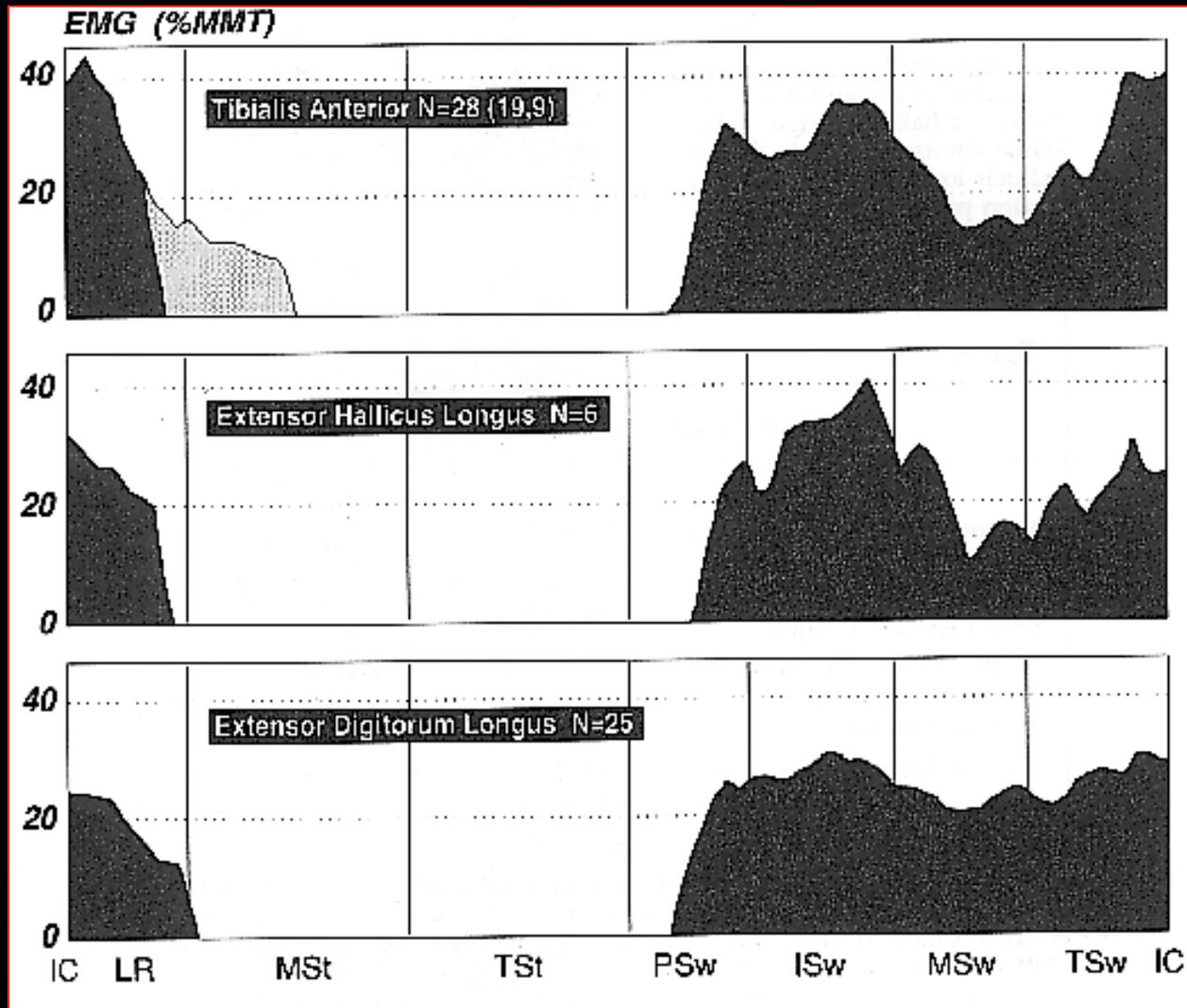


PUISSANCE DE CHEVILLE

$F \times L \times$ Vitesse angulaire



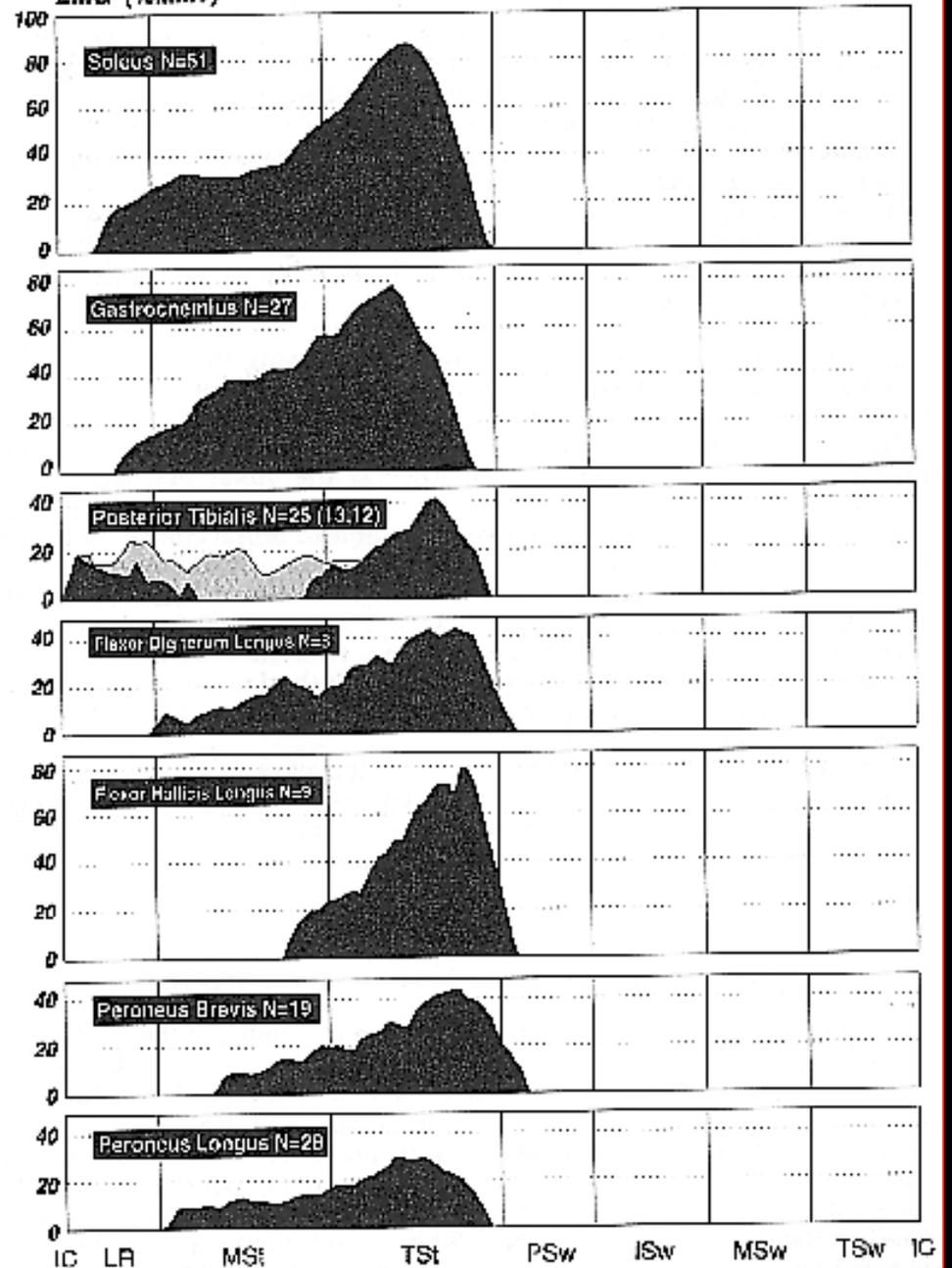
Muscles releveurs du pied



Muscles fléchisseurs de cheville

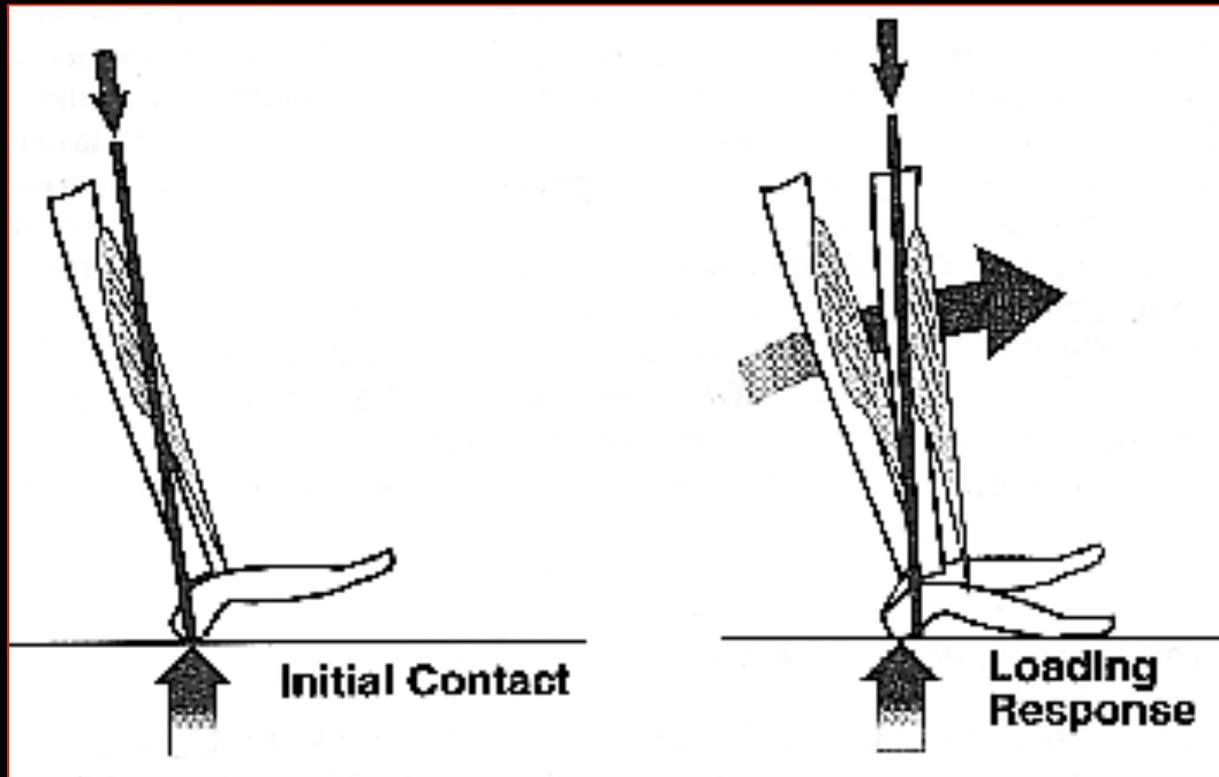
Ankle Plantar Flexor Muscles

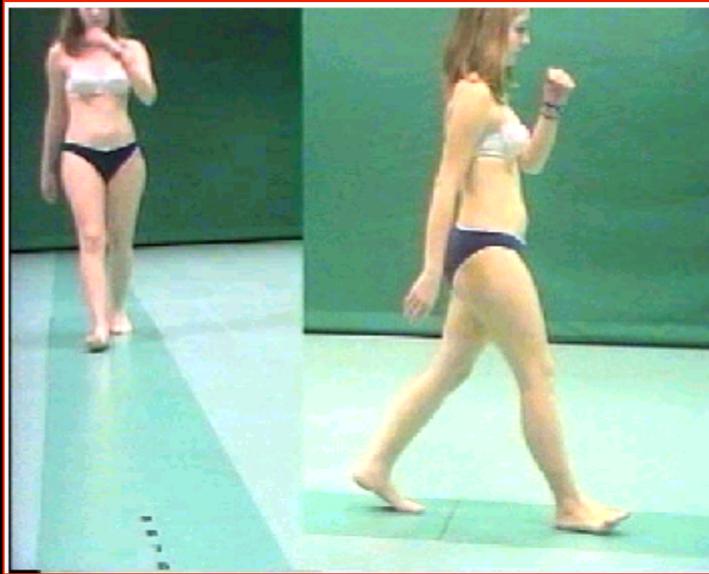
EMG (%MMT)



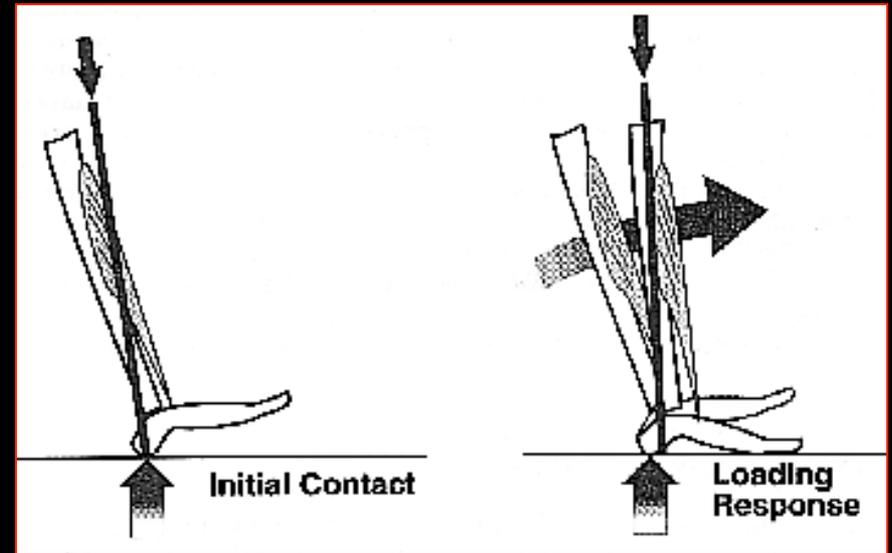
Interprétation fonctionnelle cheville

Contact initial
Mise en appui





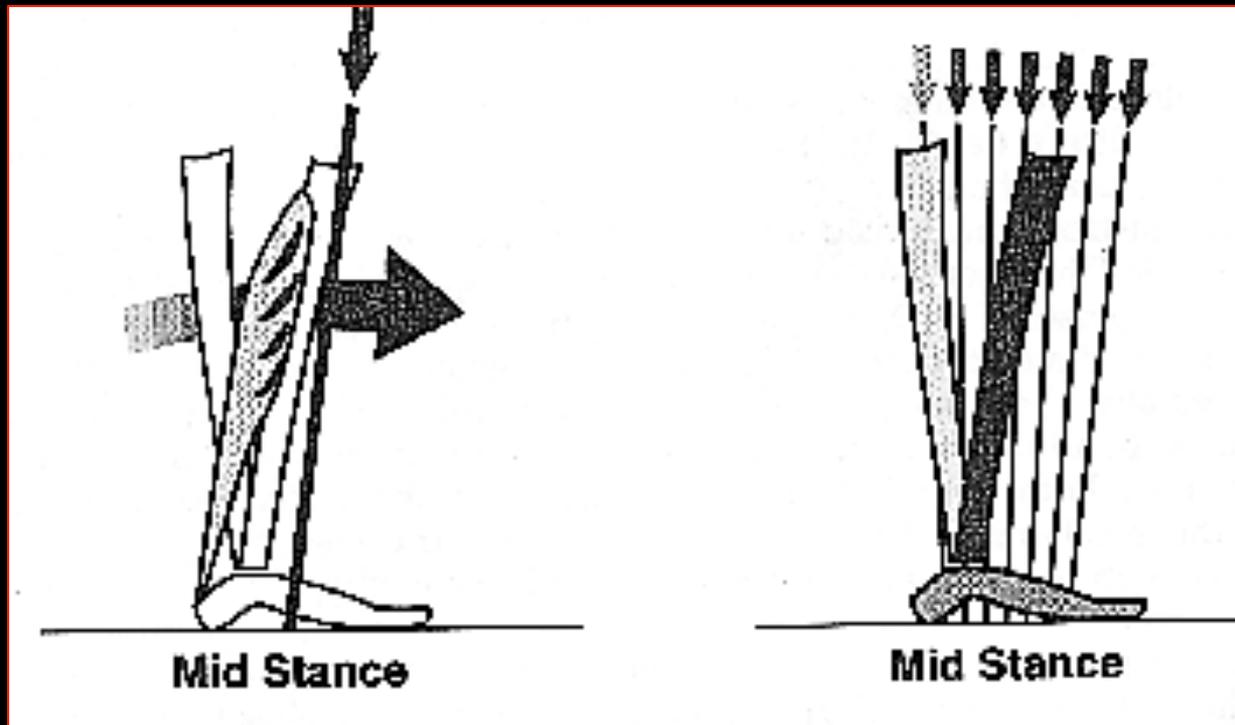
Contact initial



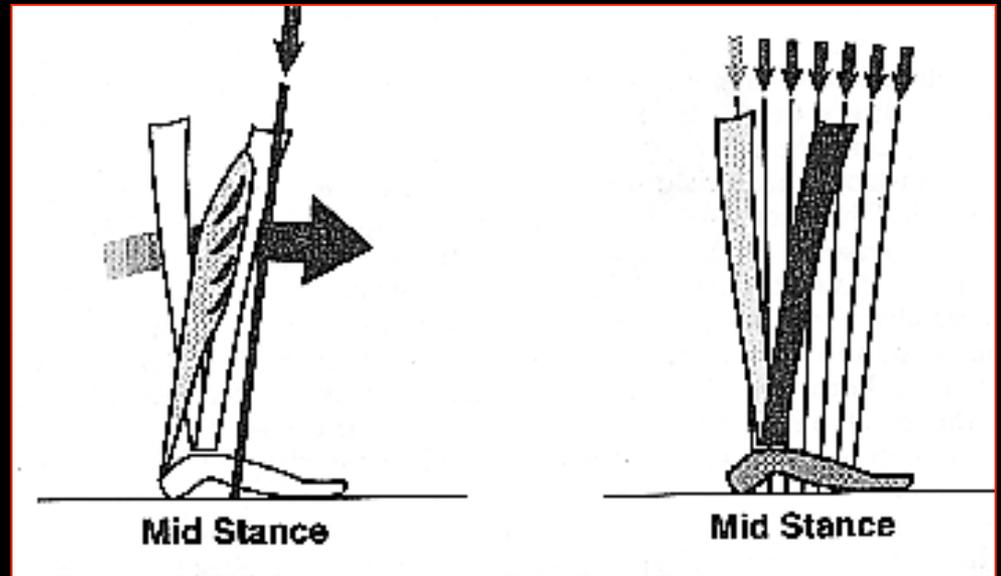
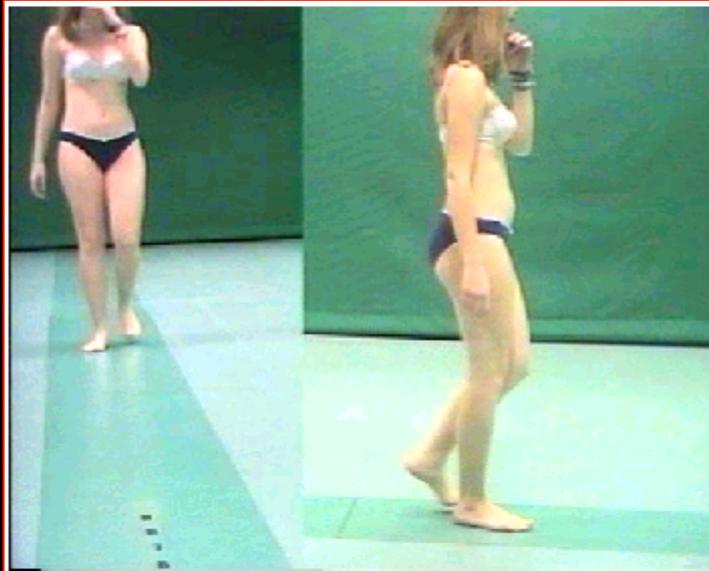
Mise en appui

Interprétation fonctionnelle cheville

Milieu d'appui

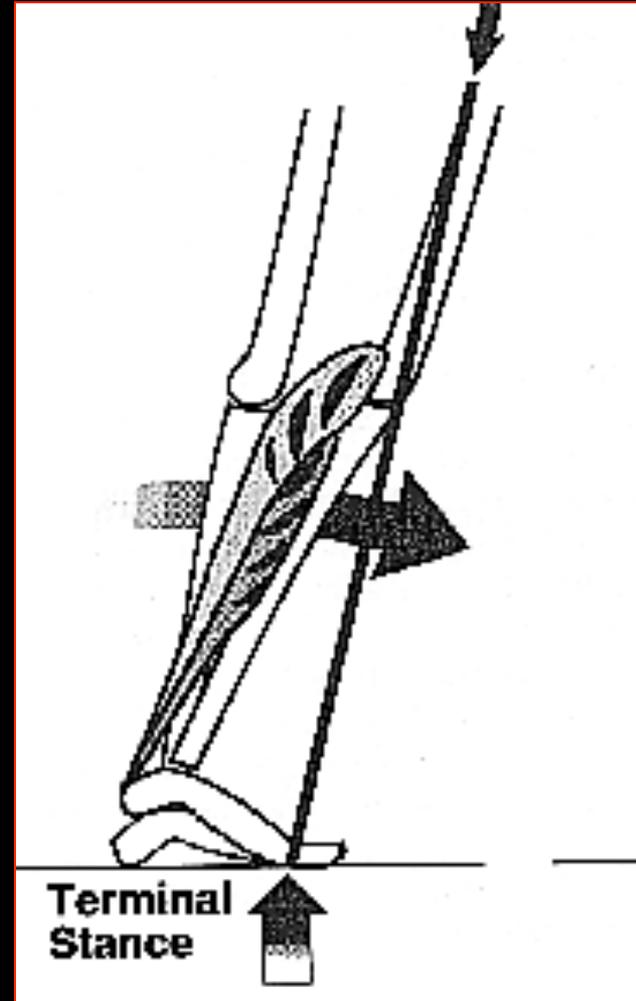


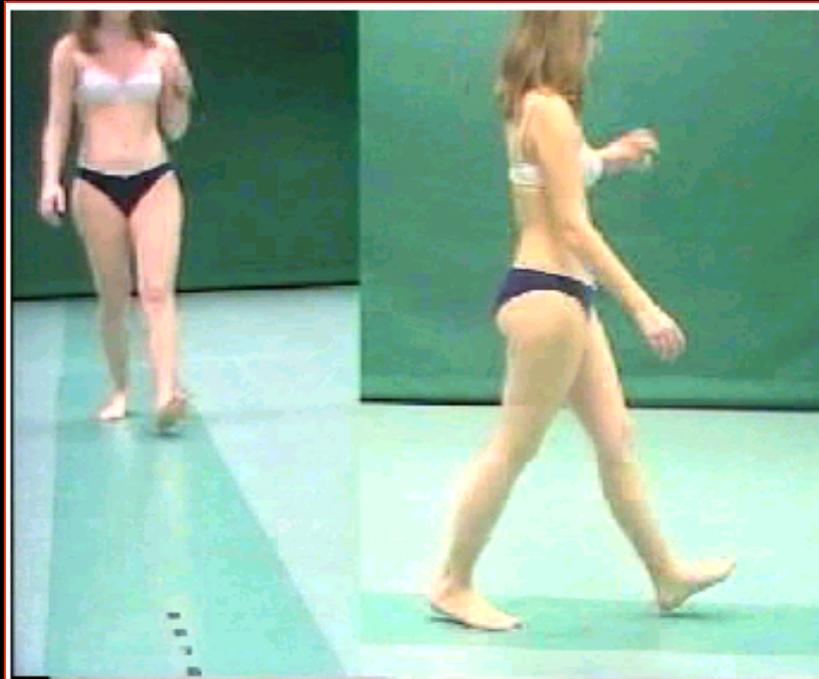
Milieu d'appui



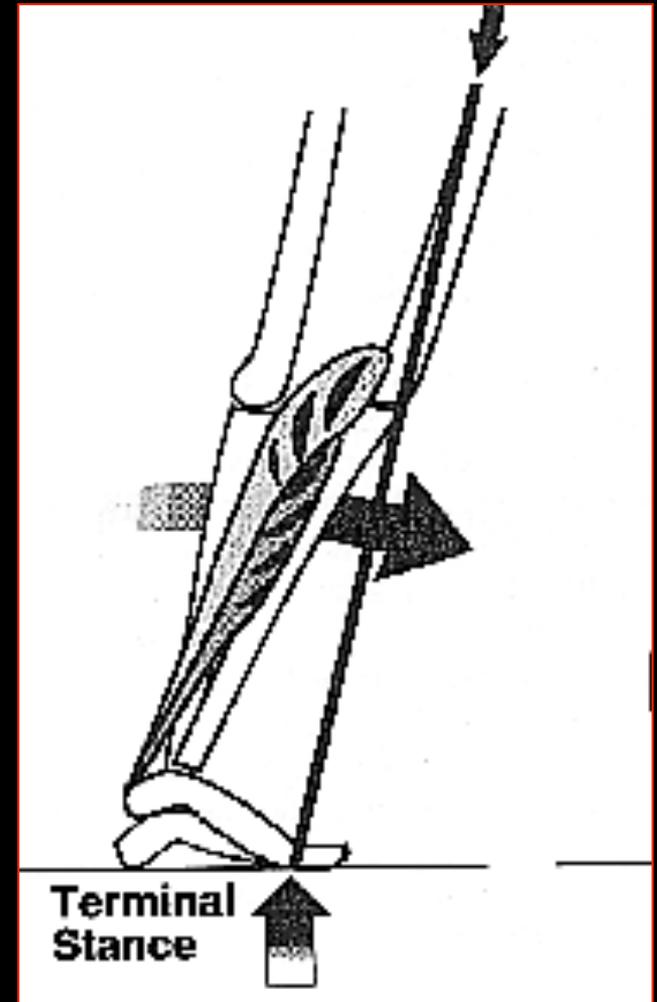
Interprétation fonctionnelle cheville

Fin d'appui



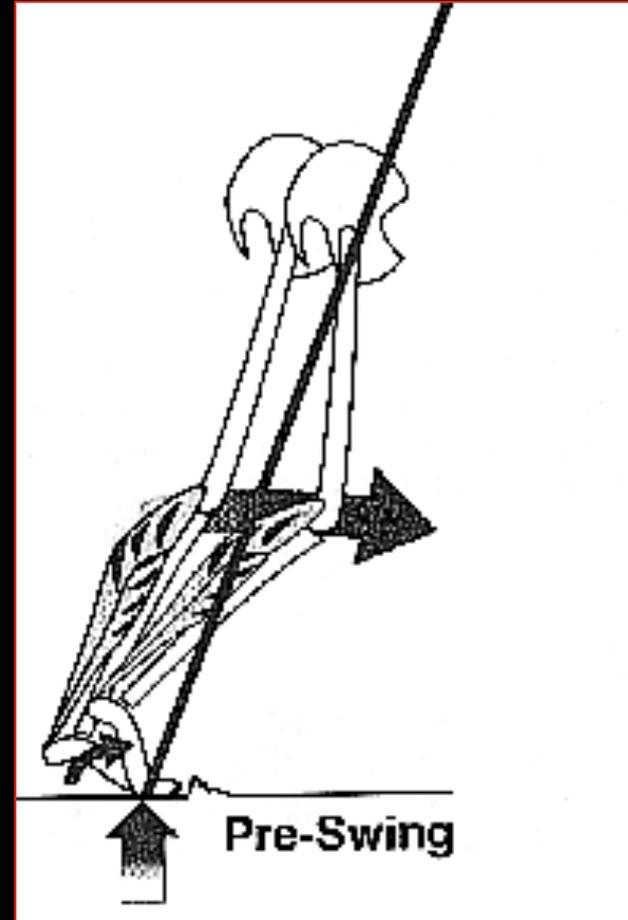


Fin d'appui

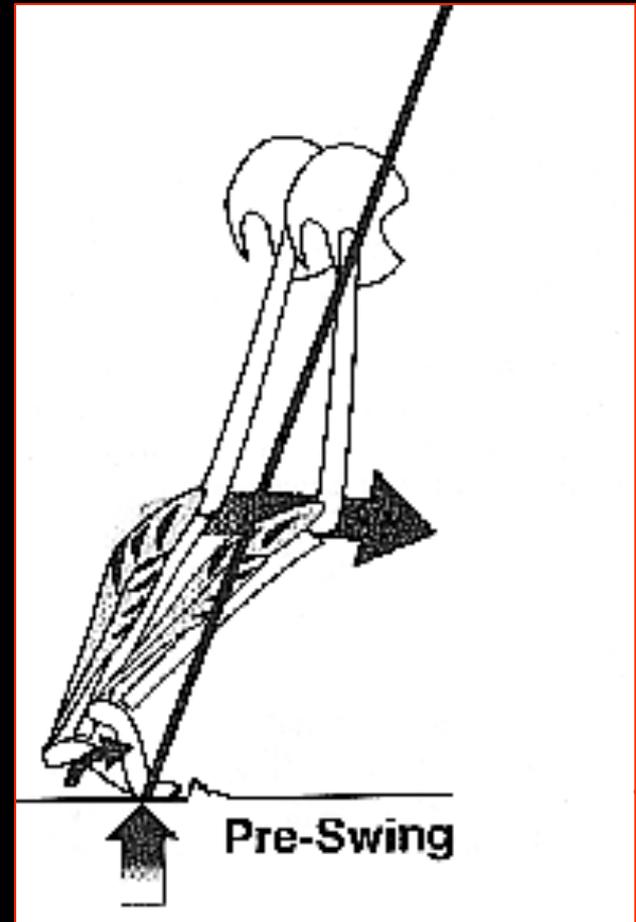
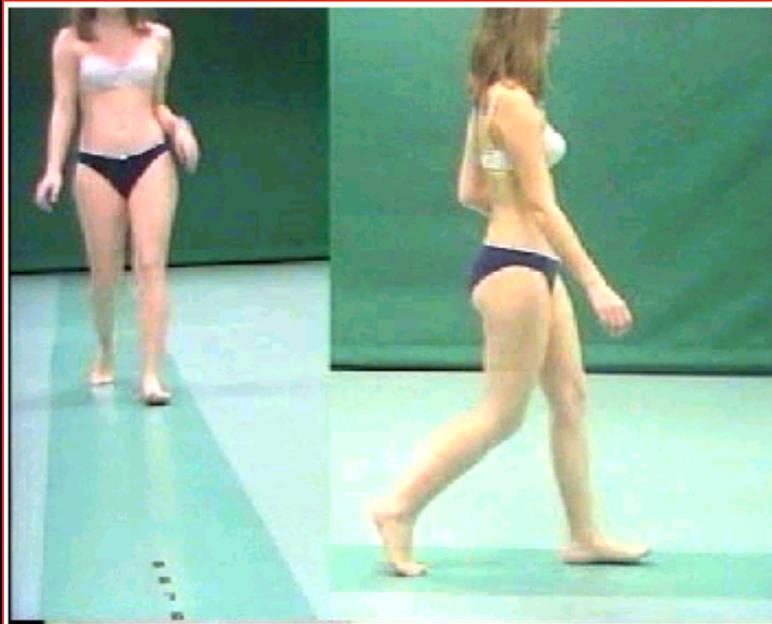


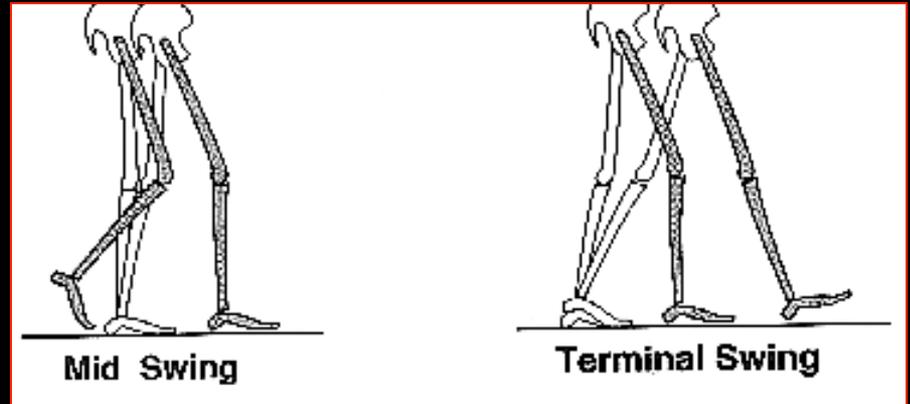
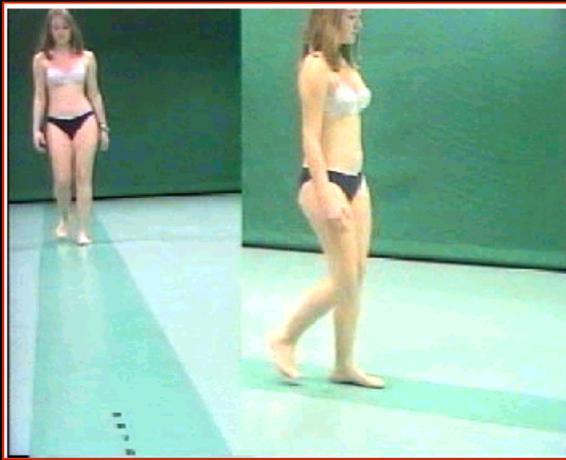
Interprétation fonctionnelle cheville

Phase pré oscillante



Phase pré oscillante

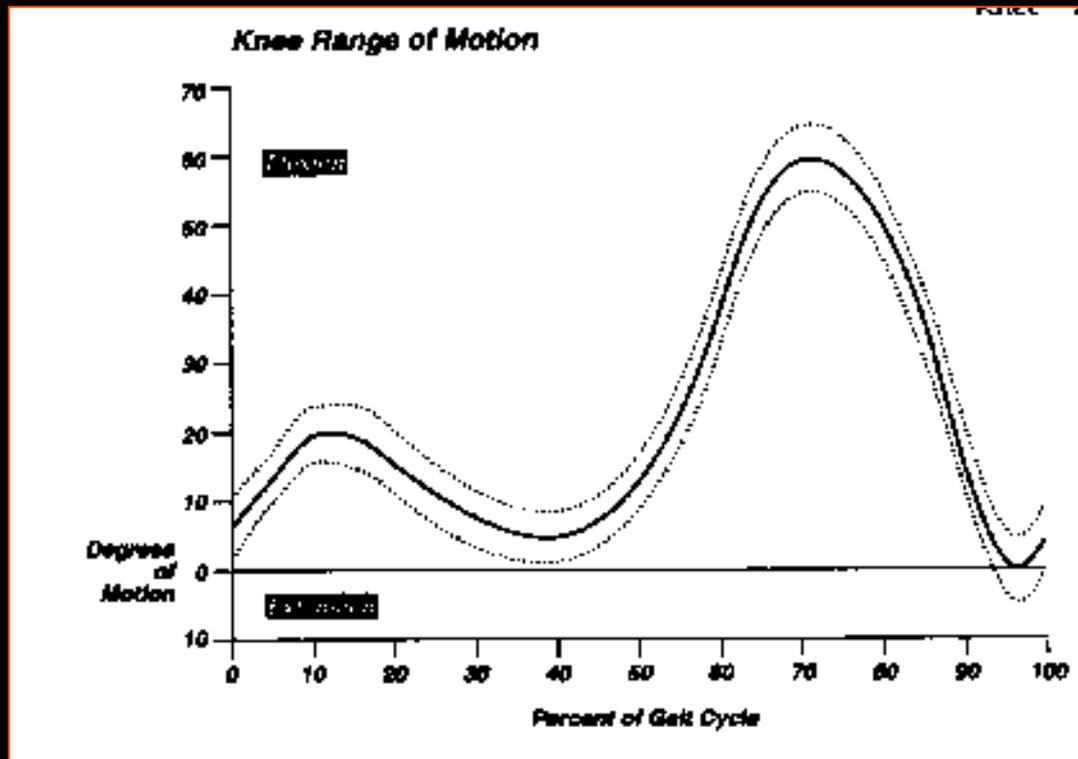




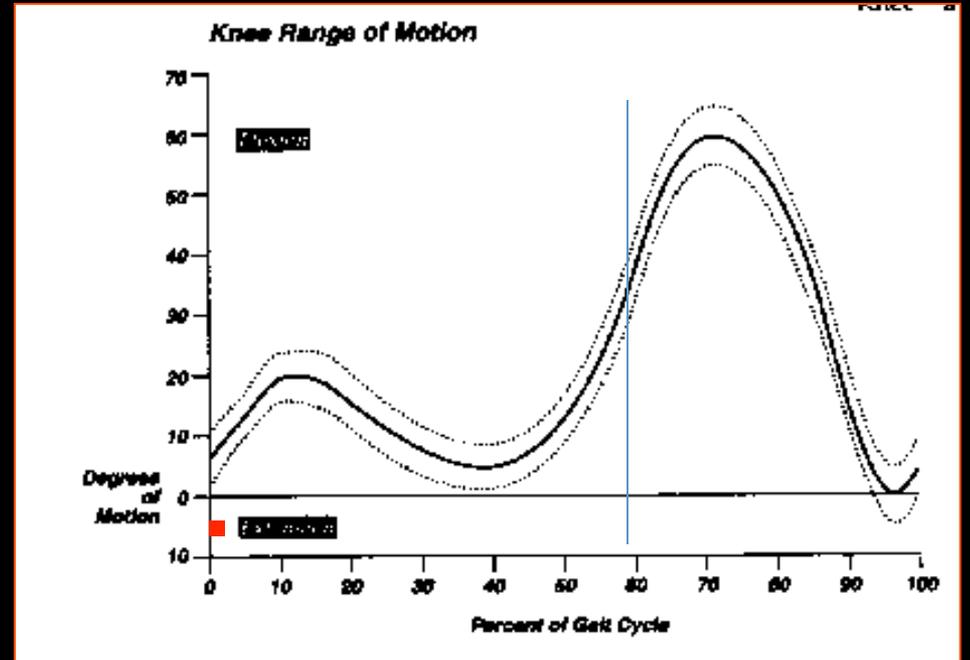
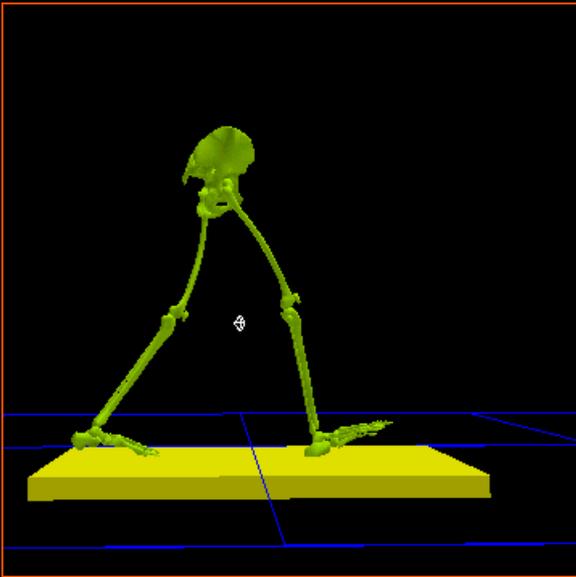
Phase oscillante

LE GENOU NORMAL

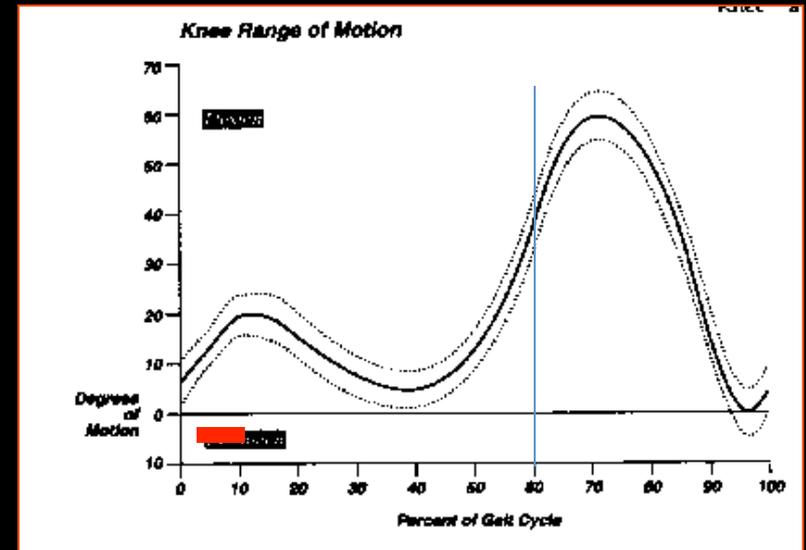
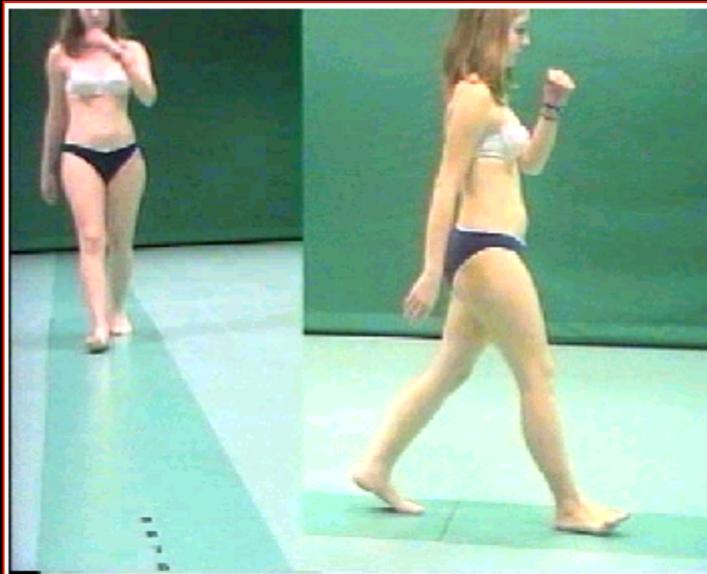
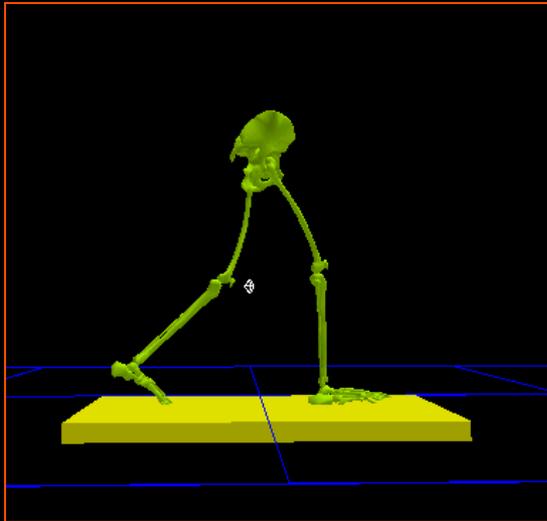
CINEMATIQUE DU GENOU



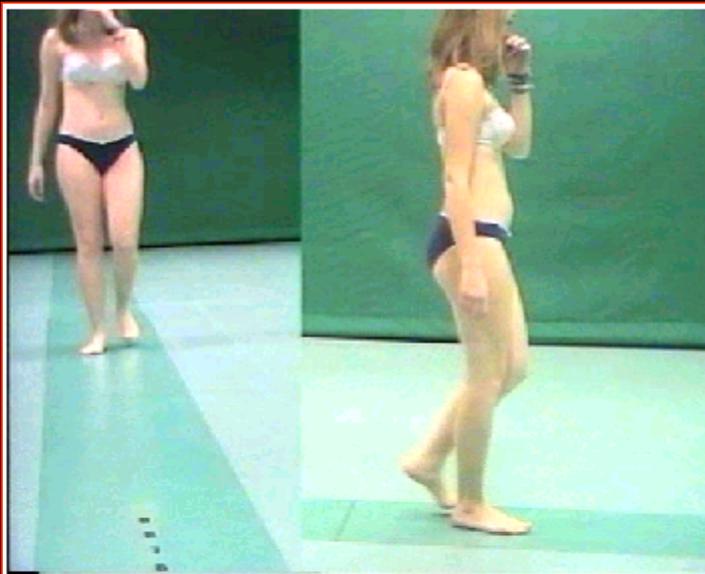
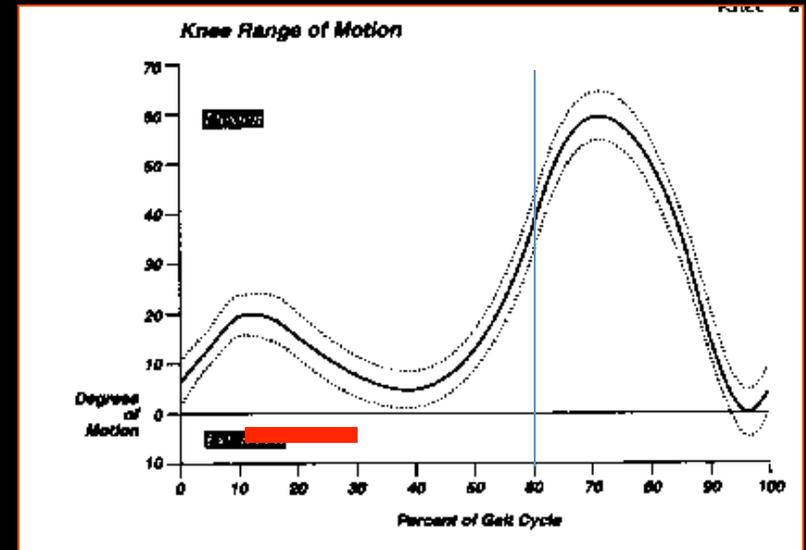
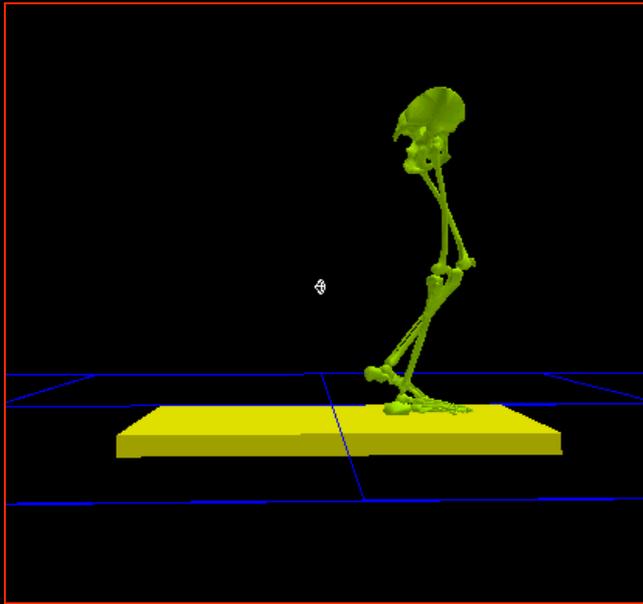
CONTACT INITIAL



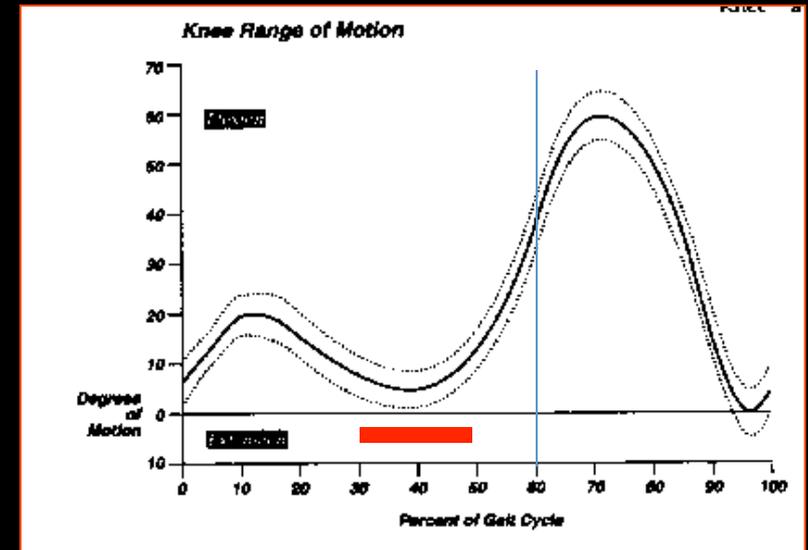
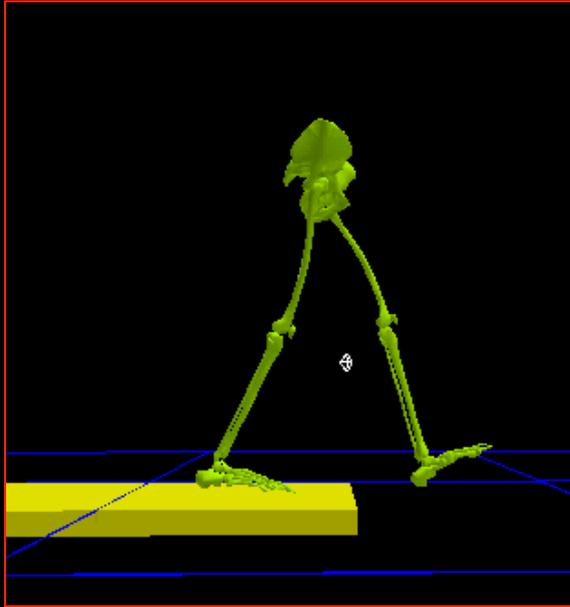
MISE EN APPUI



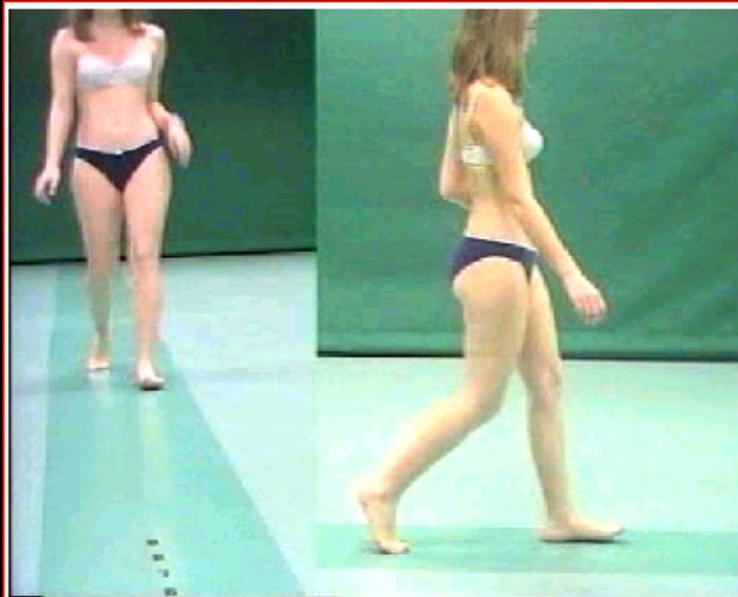
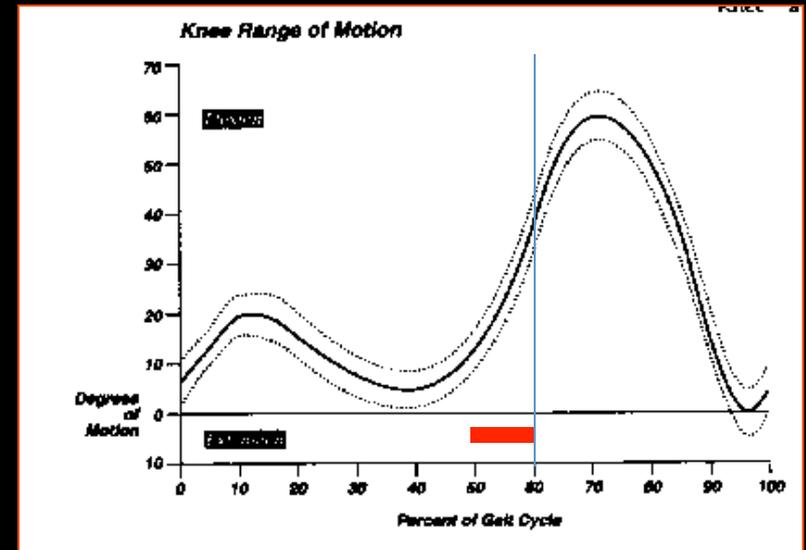
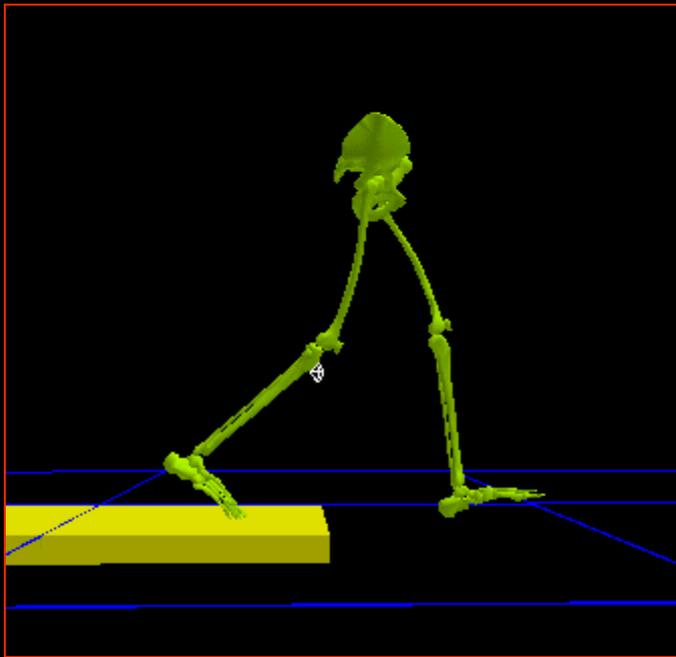
MILIEU D' APPUI

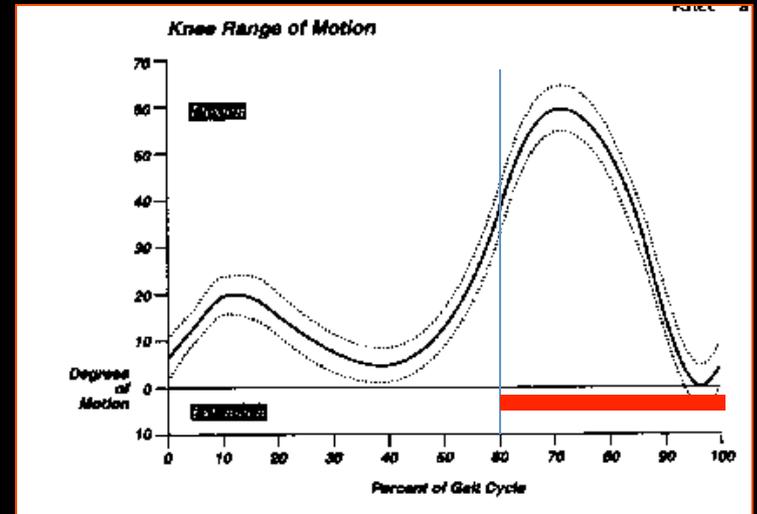
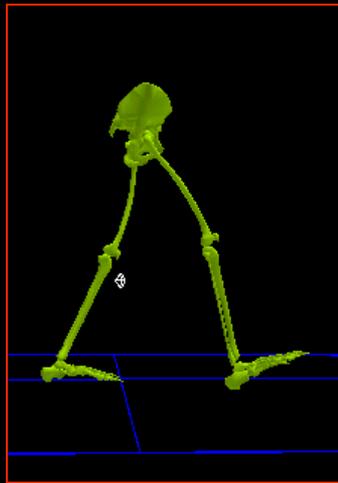
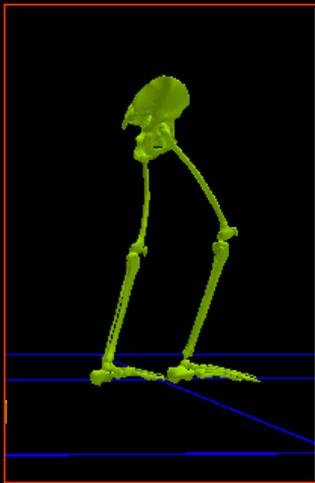


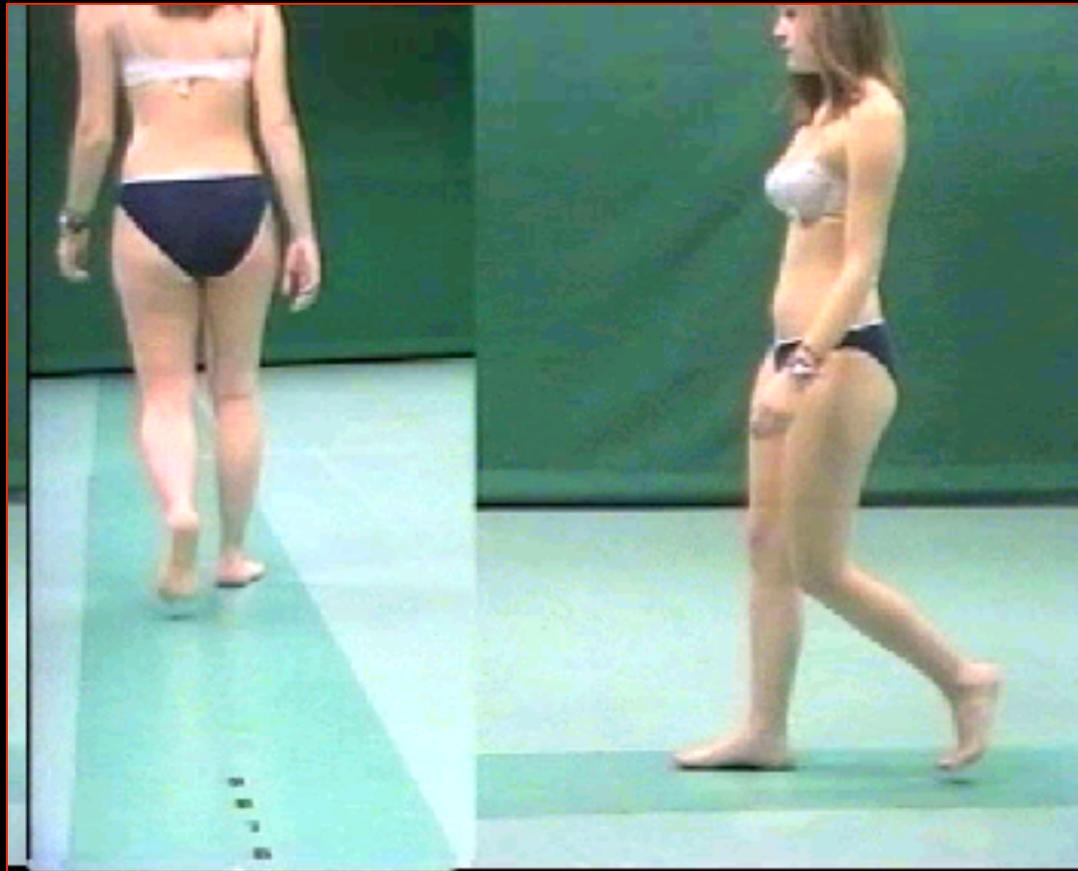
FIN D' APPUI



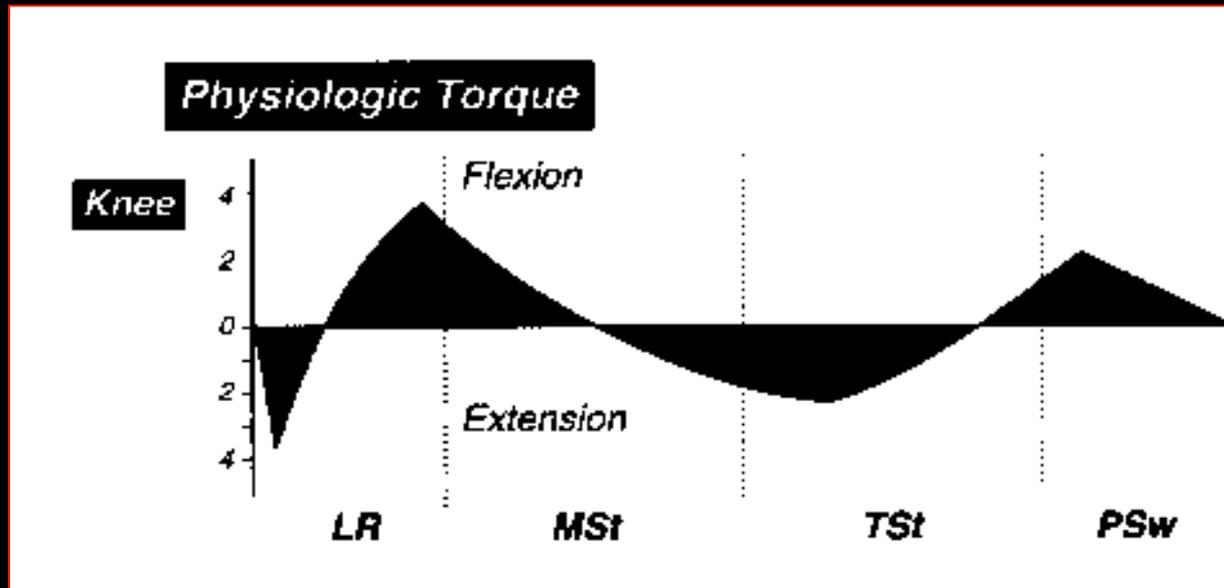
PHASE PRE OSCILLANTE



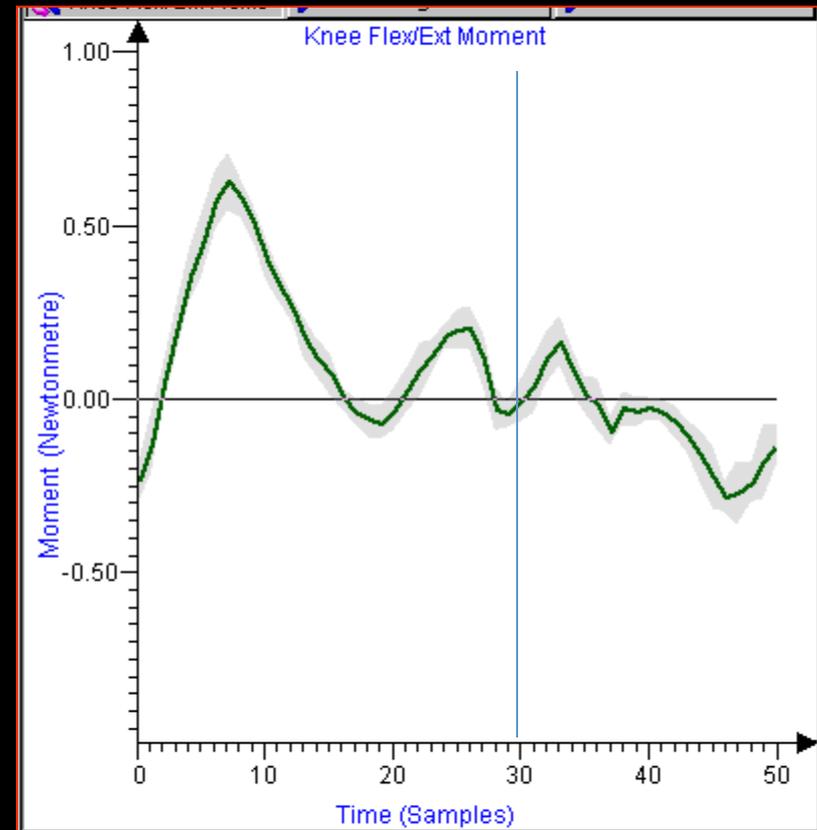
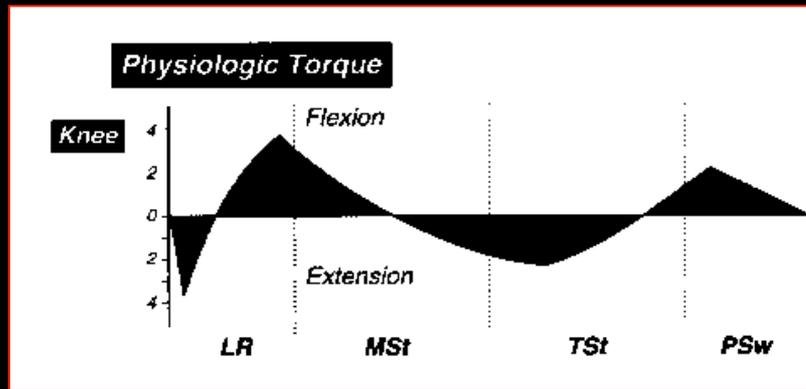




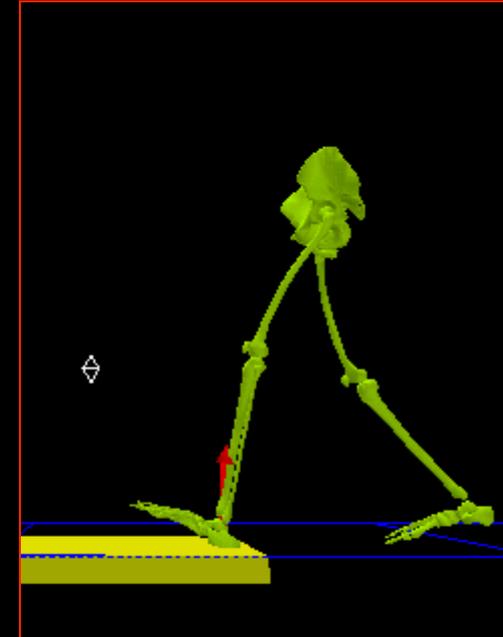
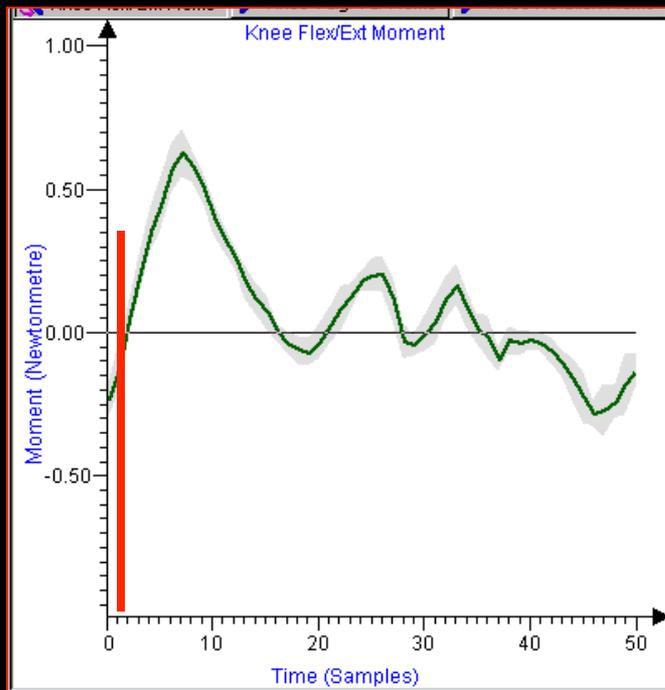
CINETIQUE DU GENOU



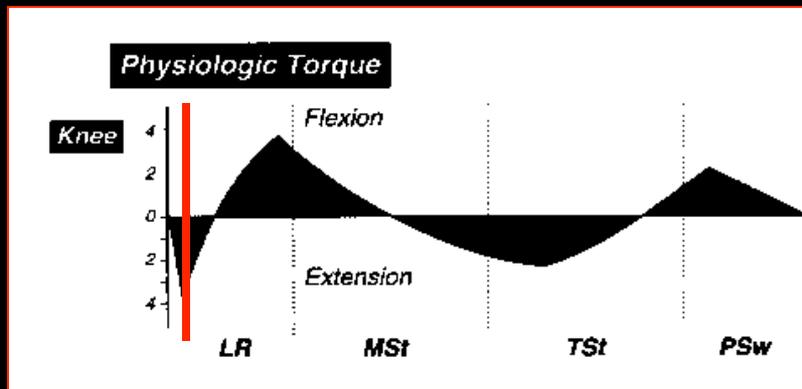
CINETIQUE DU GENOU



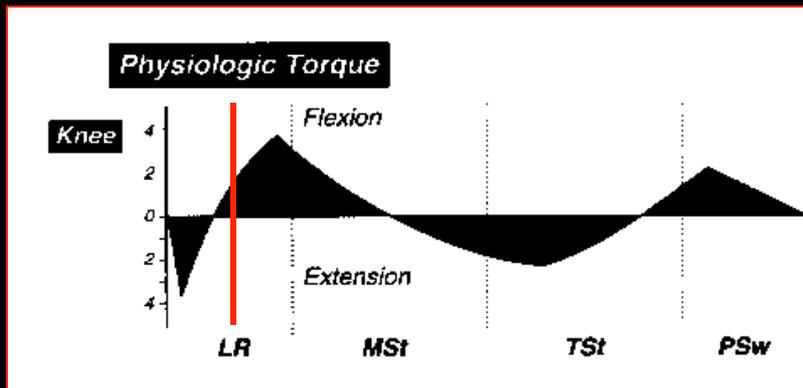
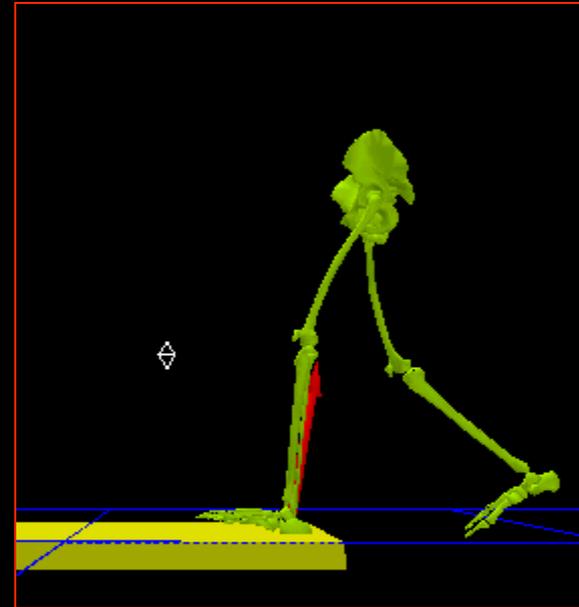
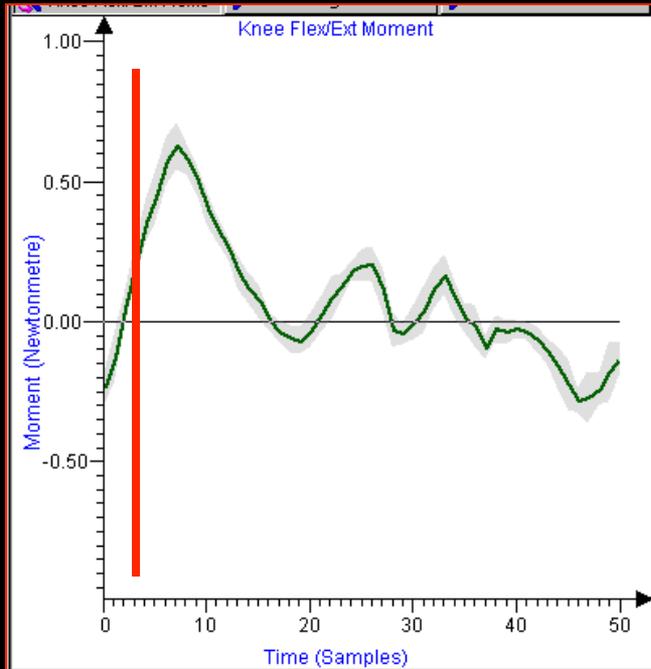
CINETIQUE DU GENOU



CONTACT INITIAL
Vecteur en avant du genou

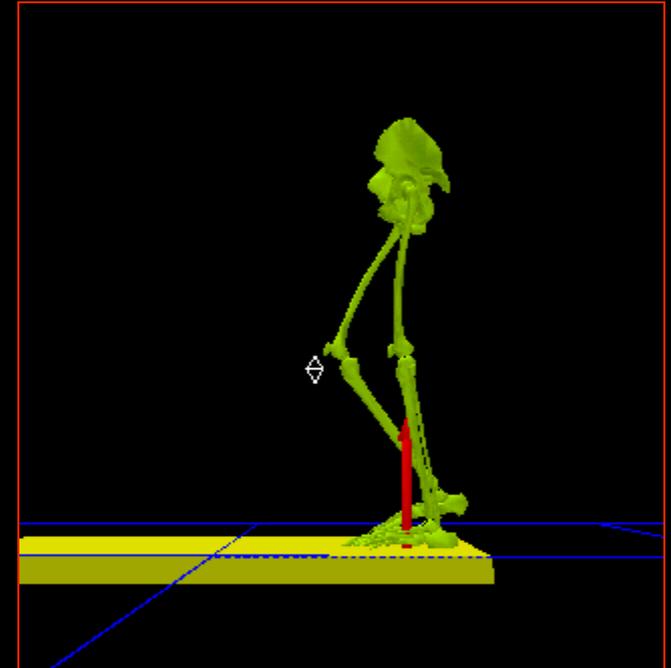
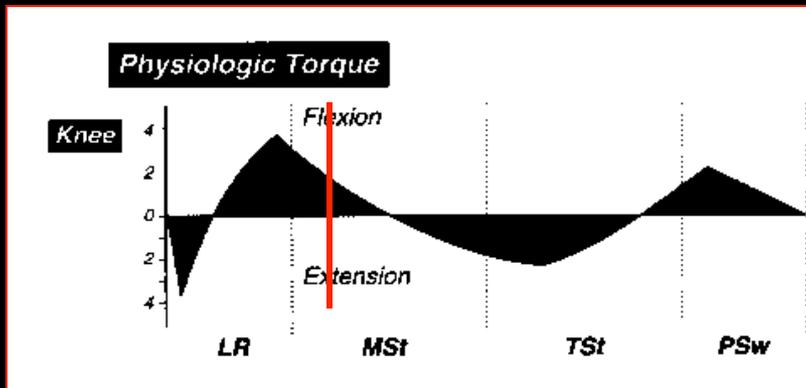
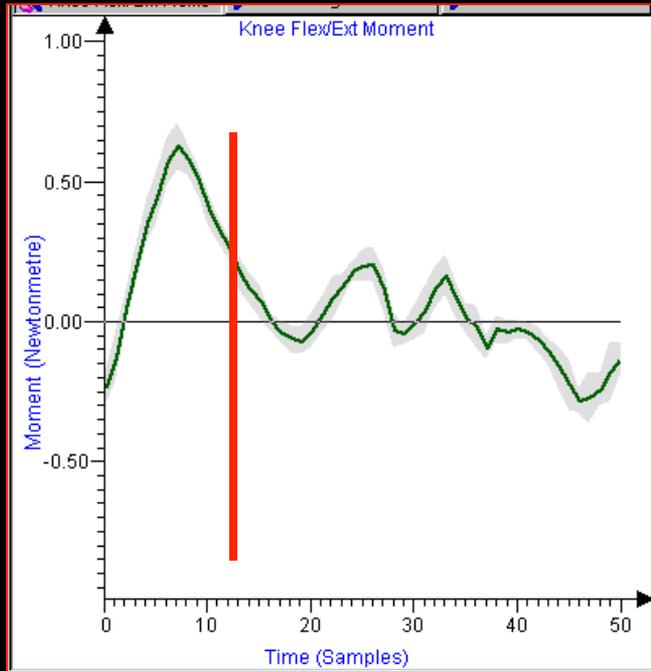


CINETIQUE DU GENOU



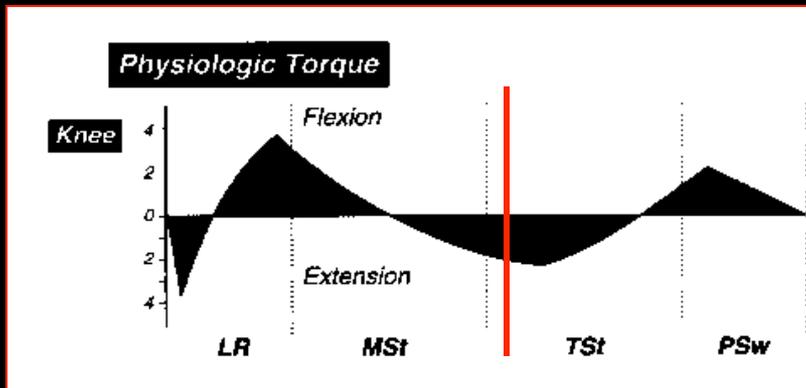
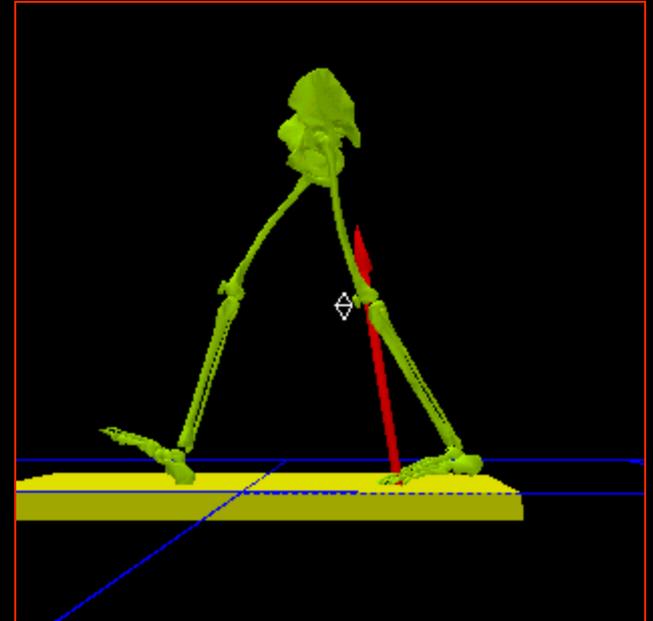
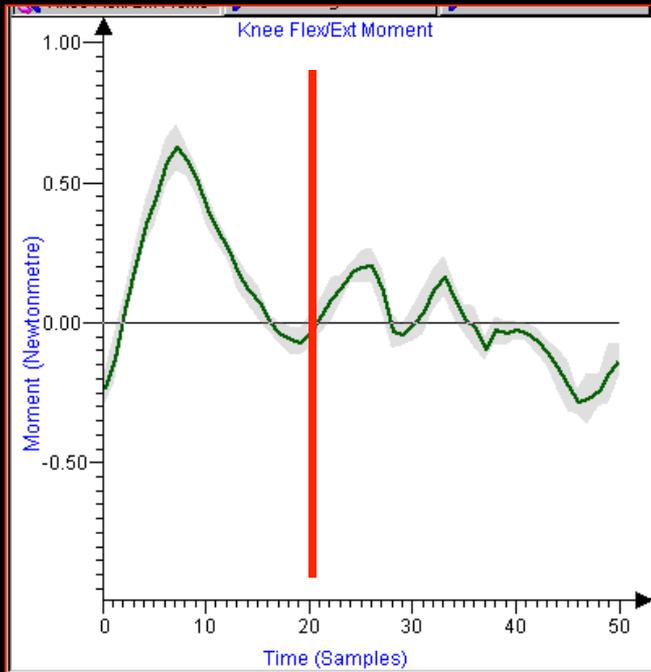
MISE EN APPUI
Vecteur en arrière du genou

CINETIQUE DU GENOU



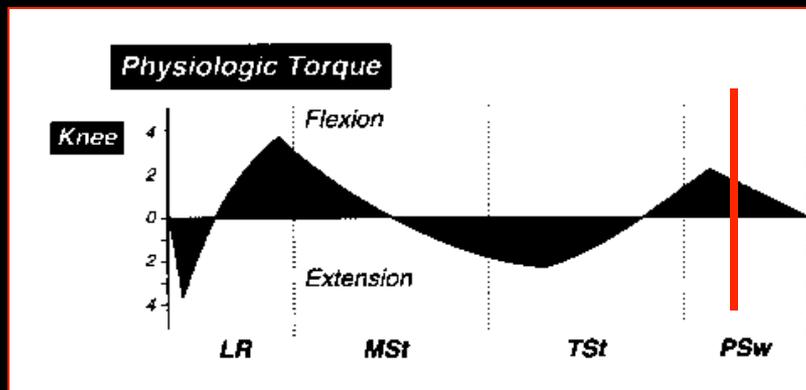
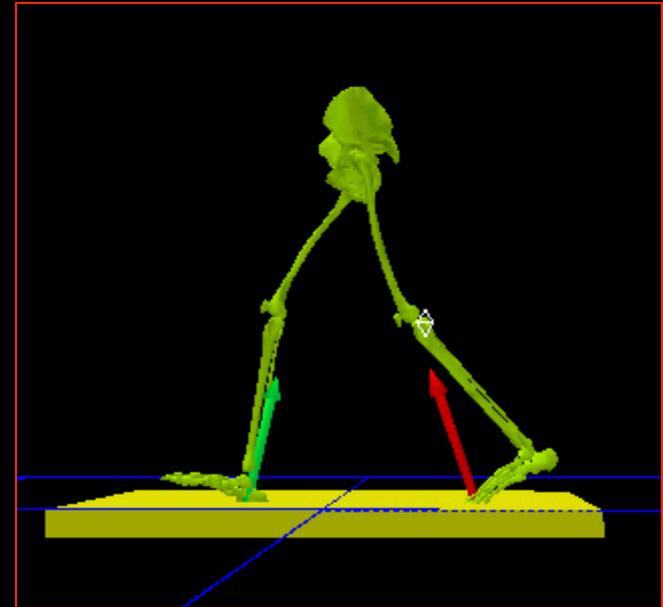
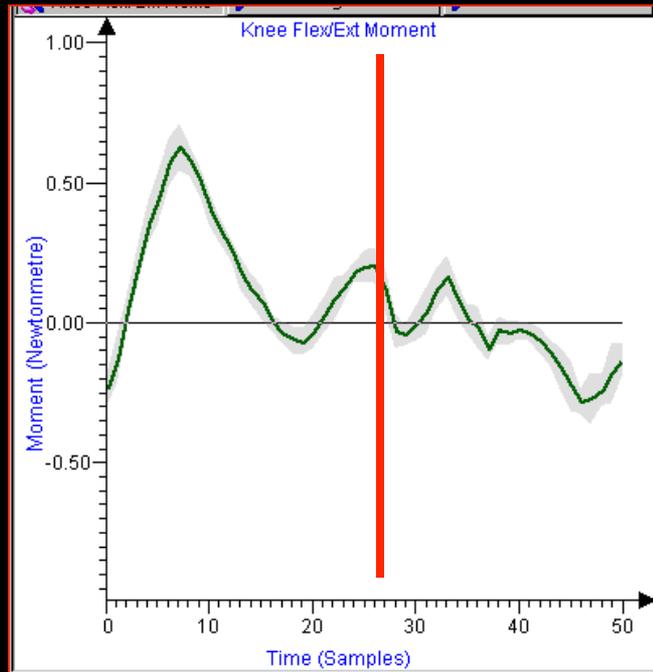
MILIEU D' APPUI
Vecteur près du genou

CINETIQUE DU GENOU



FIN D' APPUI
Vecteur en avant du genou

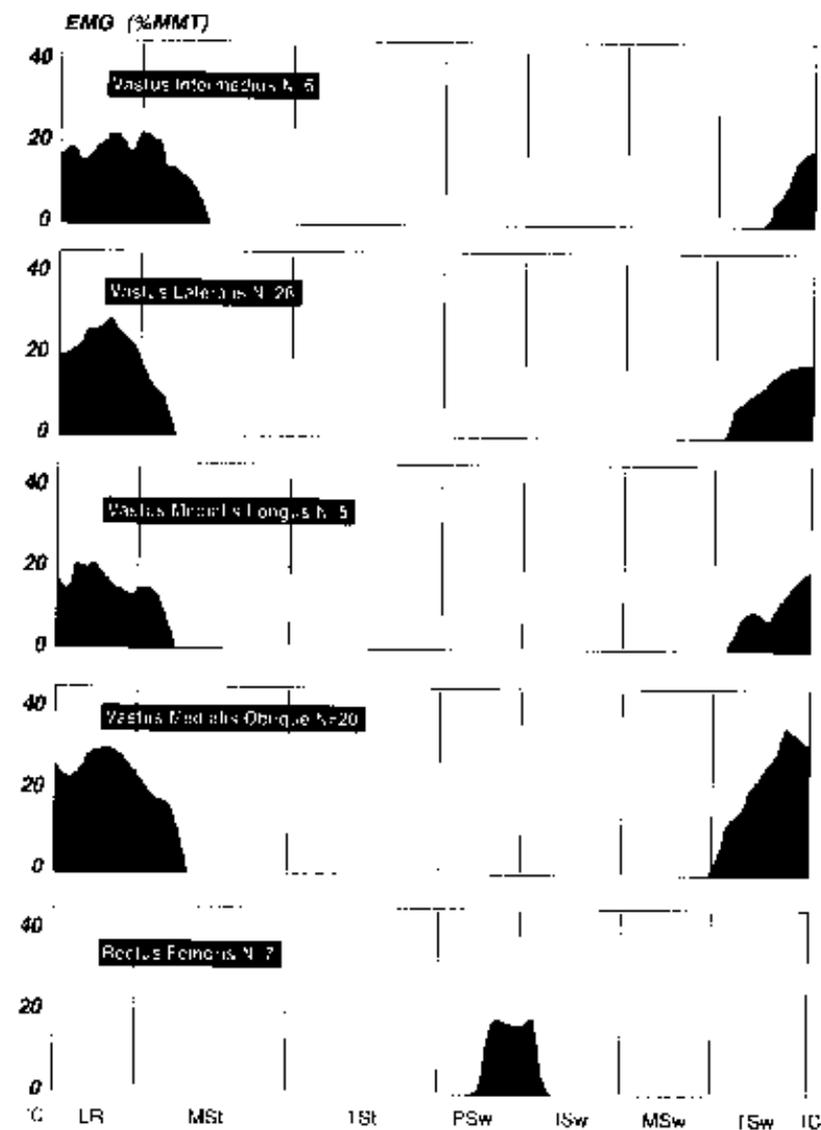
CINETIQUE DU GENOU



PHASE PRE OSCILLANTE
Déverrouillage
Vecteur en arrière du genou

MUSCLES EXTENSEURS DU GENOU

Knee Extensor Muscles (Vasti)

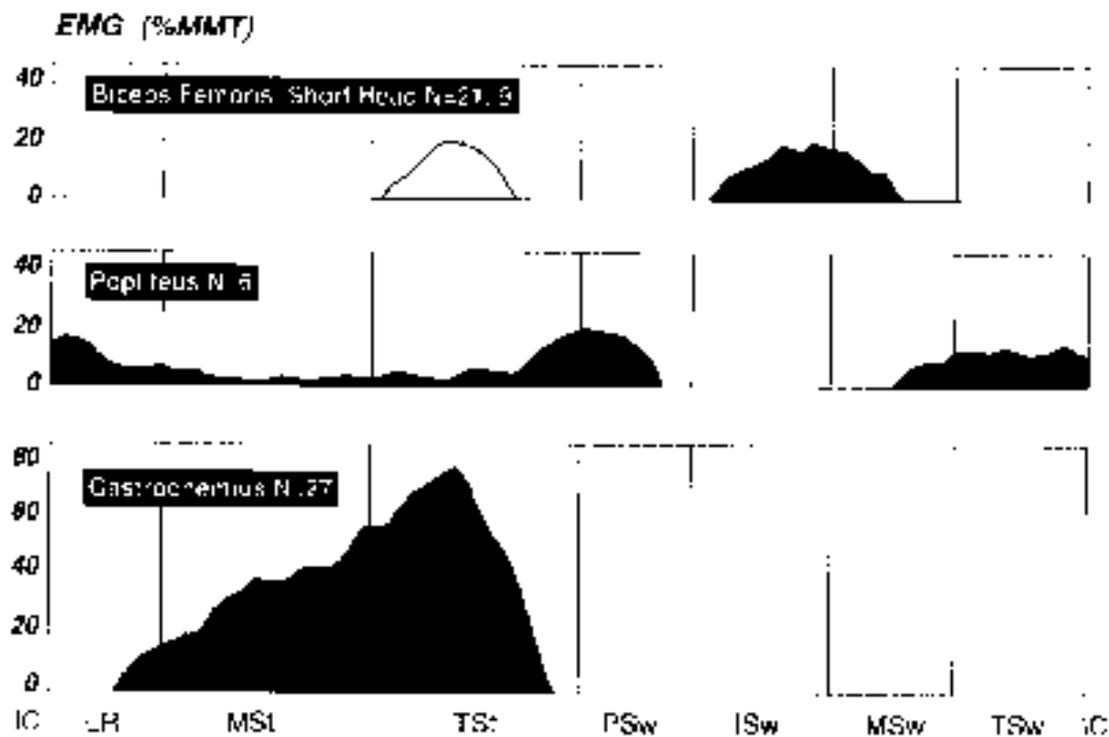


MUSCLES

FLECHISSEURS

DU GENOU

Knee Flexor Muscles

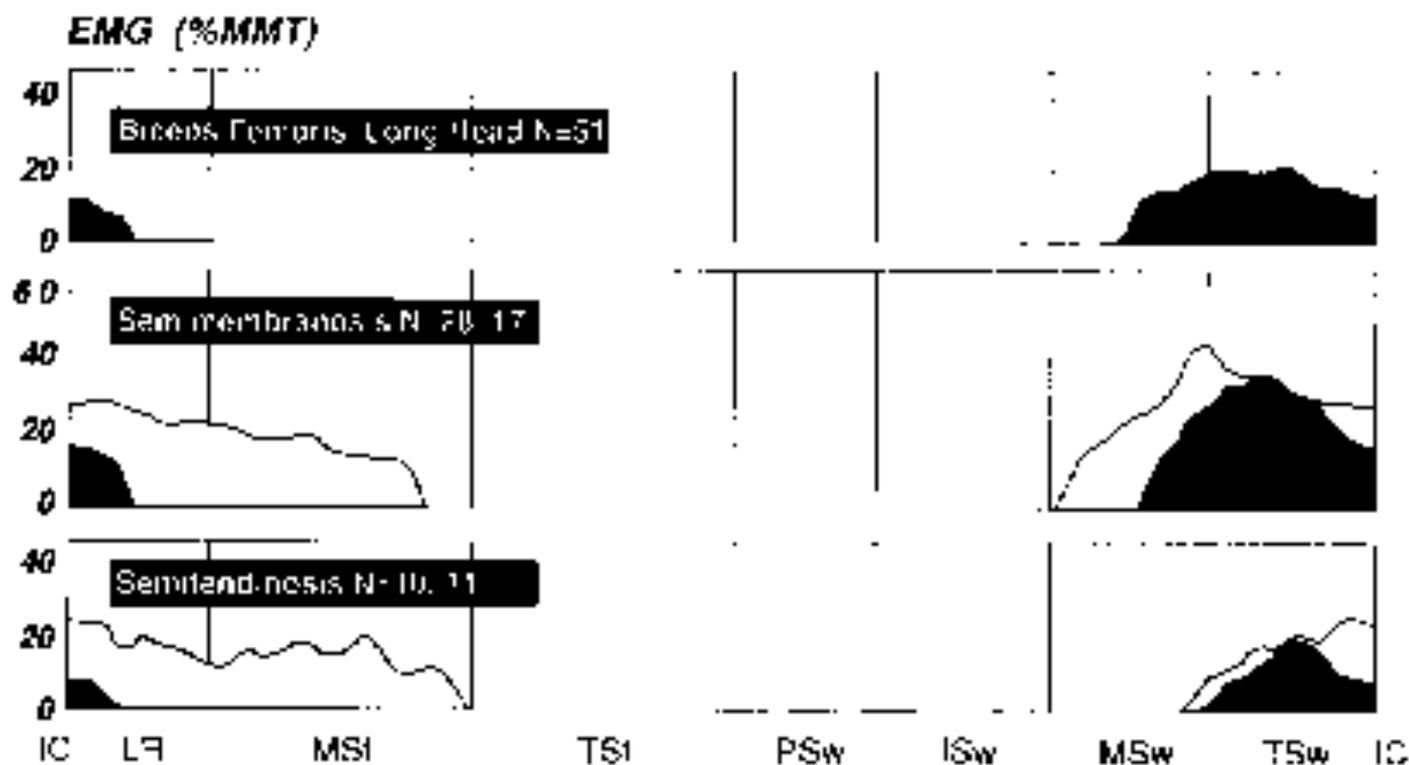


MUSCLES

FLECHISSEURS

DU GENOU

Knee Flexor Muscles

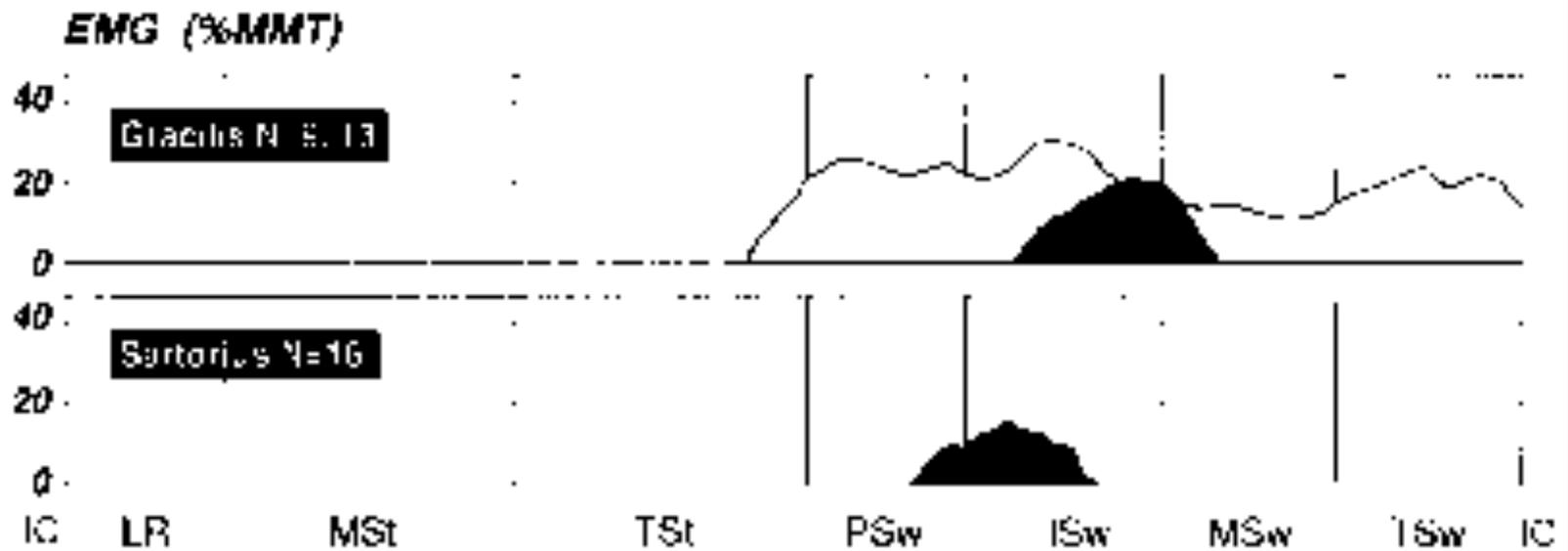


MUSCLES

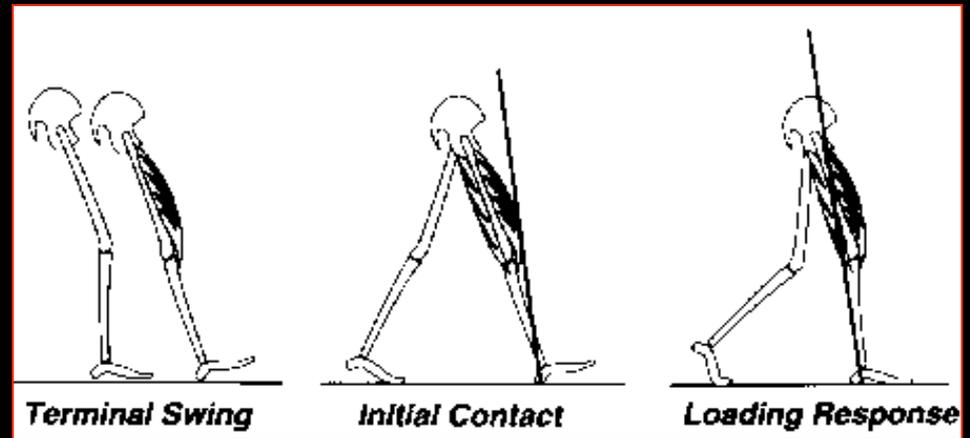
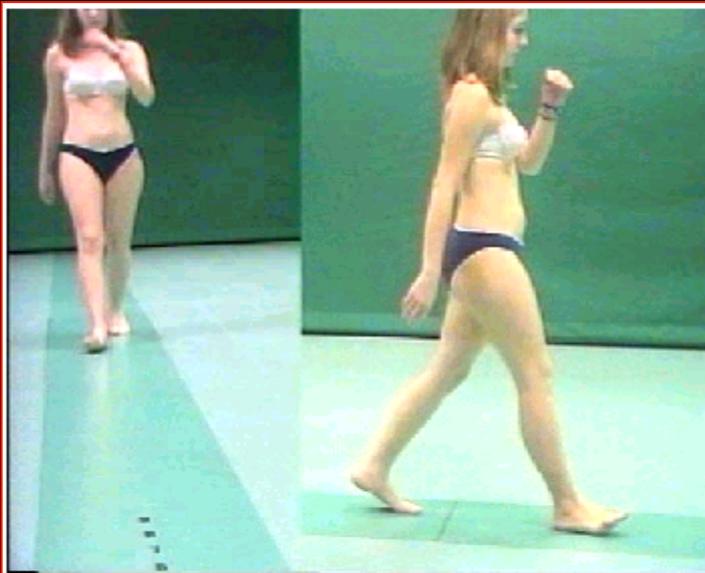
FLECHISSEURS

DU GENOU

Knee Flexor Muscles

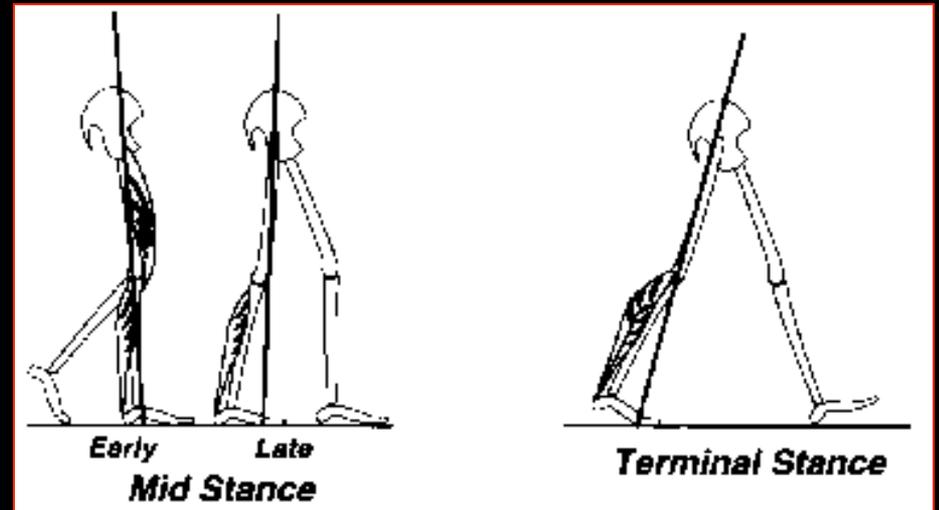
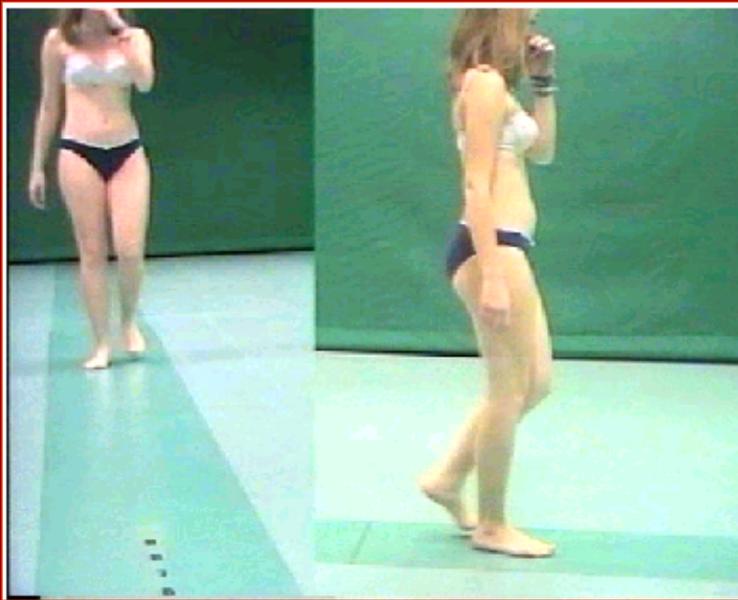


INTERPRETATION FONCTIONNELLE

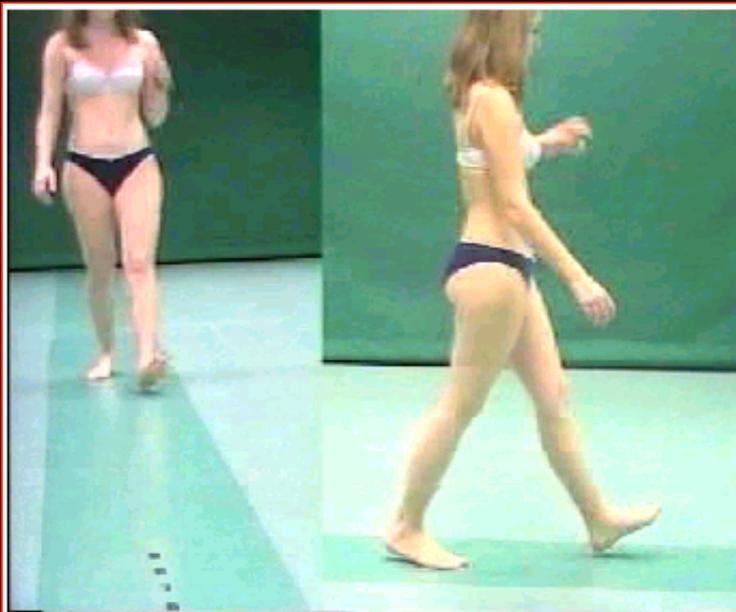


- CONTACT INITIAL
- MISE EN APPUI

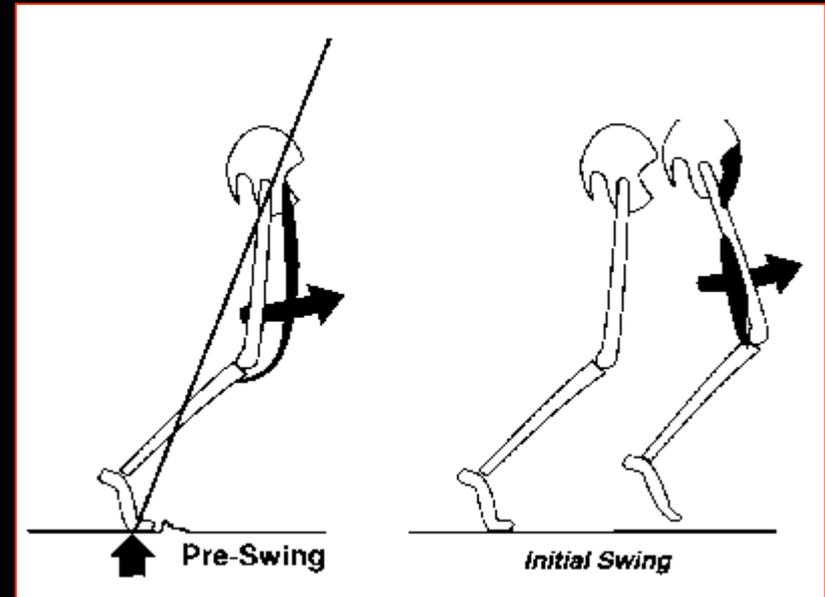
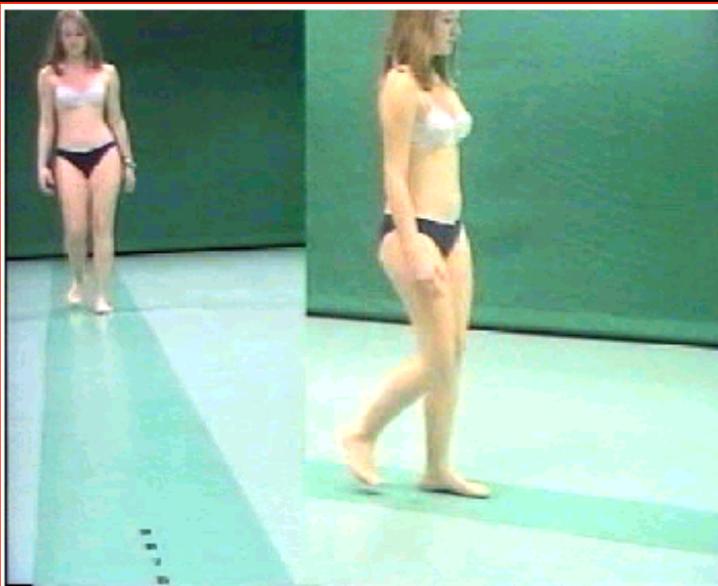
INTERPRETATION FONCTIONNELLE



- MILIEU D' APPUI
- FIN D' APPUI

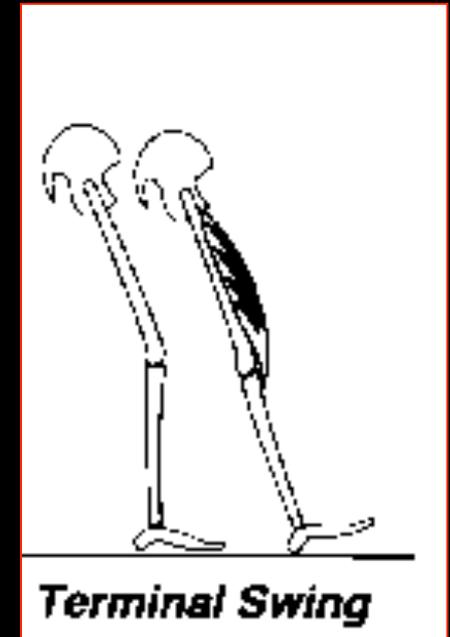
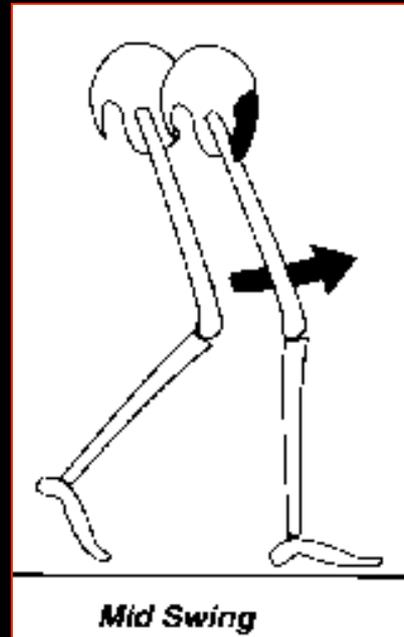
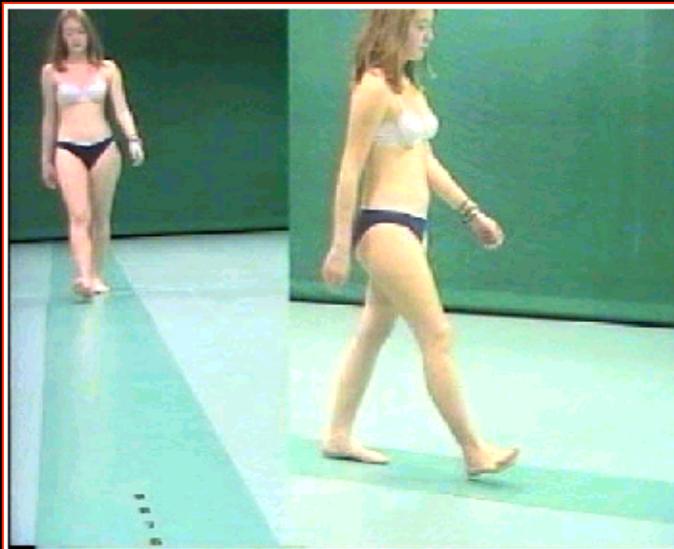
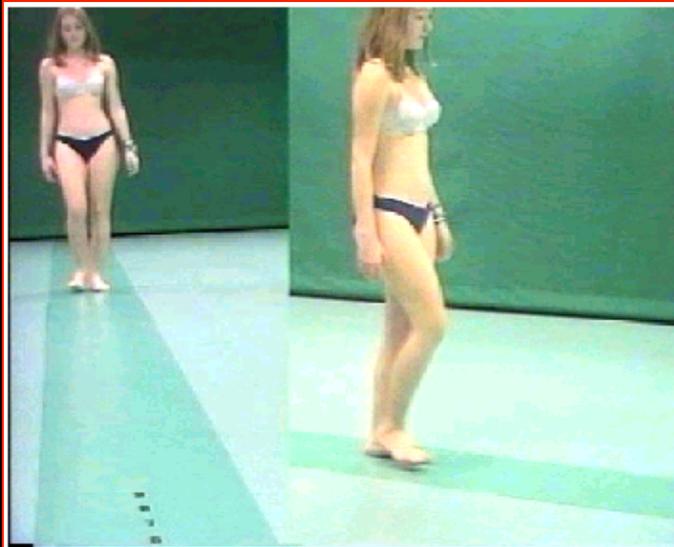


INTERPRETATION FONCTIONNELLE



- PHASE PRE OSCILLANTE
- DEBUT PHASE OSCILLANTE

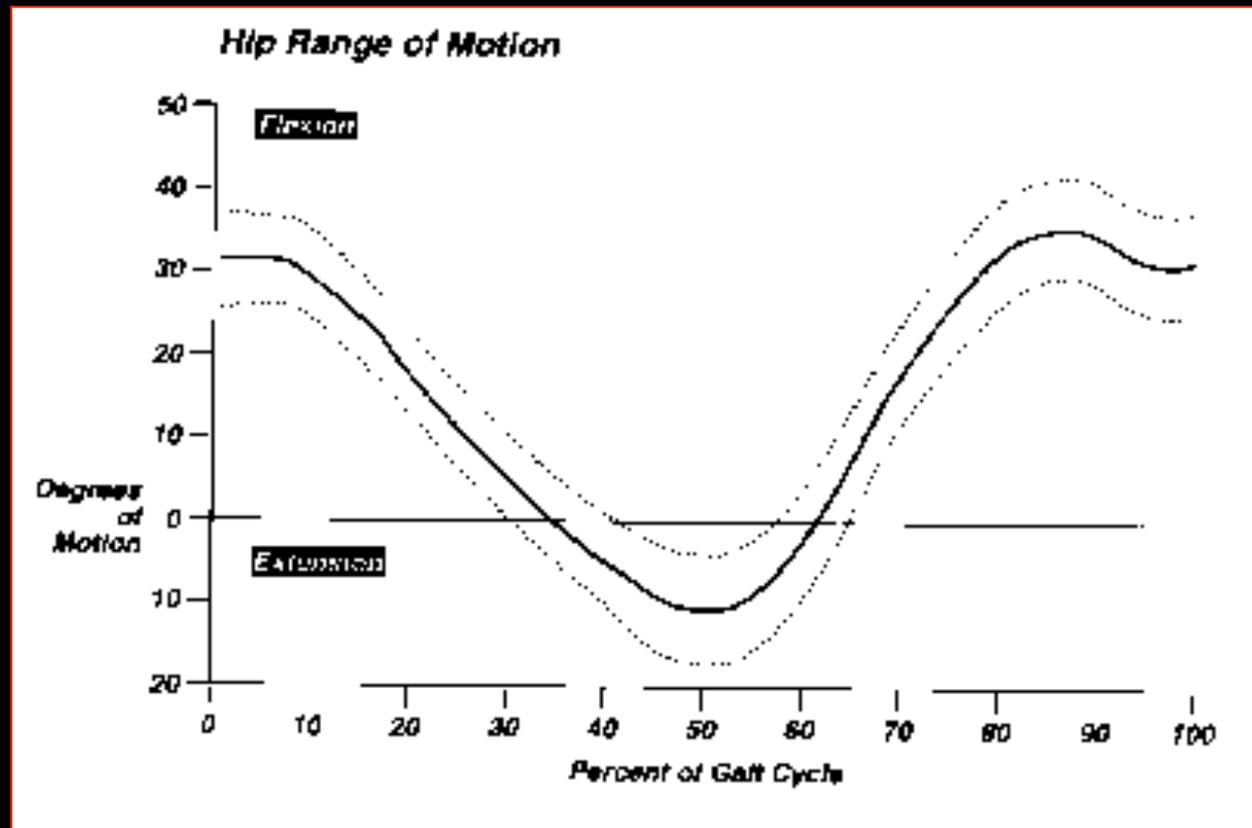
INTERPRETATION FONCTIONNELLE

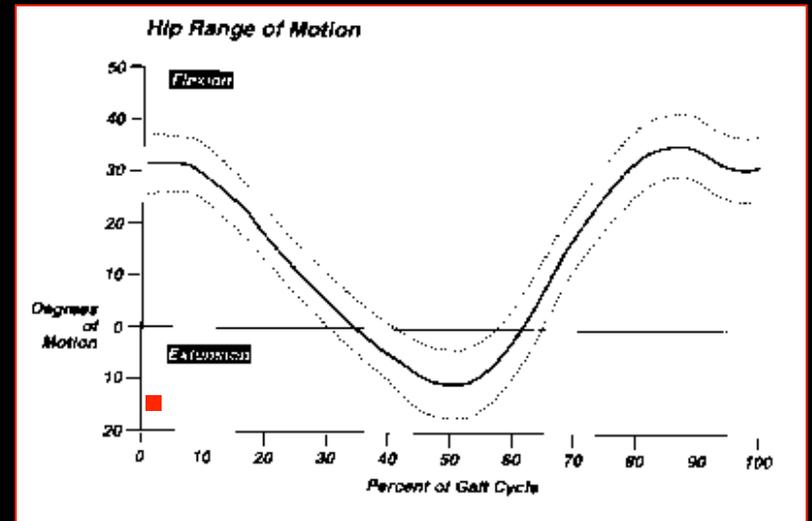
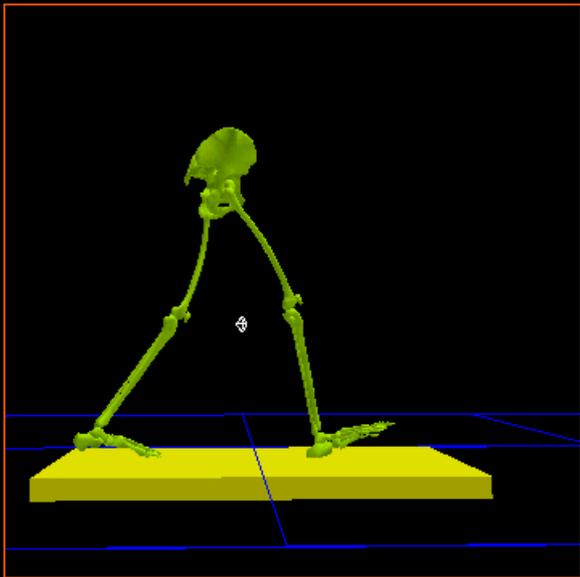


- MILIEU PHASE OSCILLANTE
- FIN PHASE OSCILLANTE

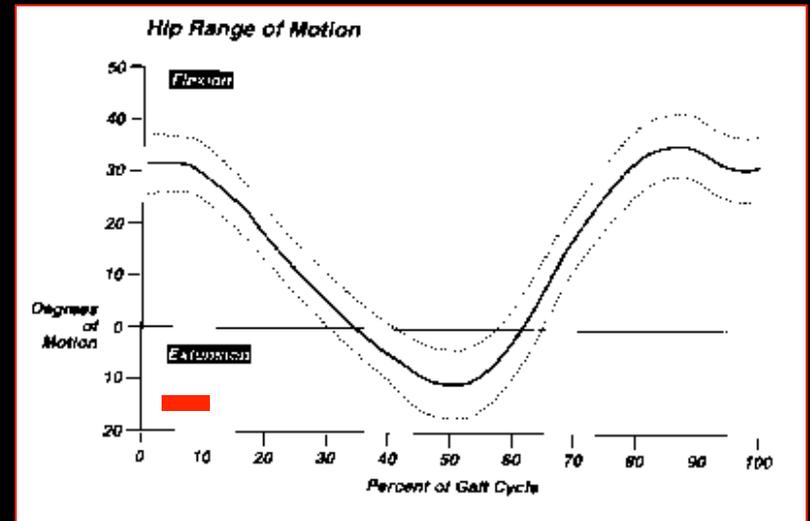
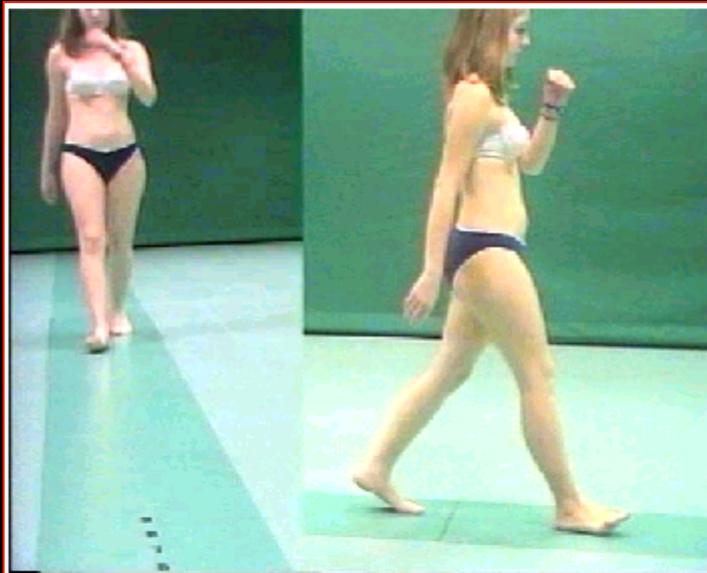
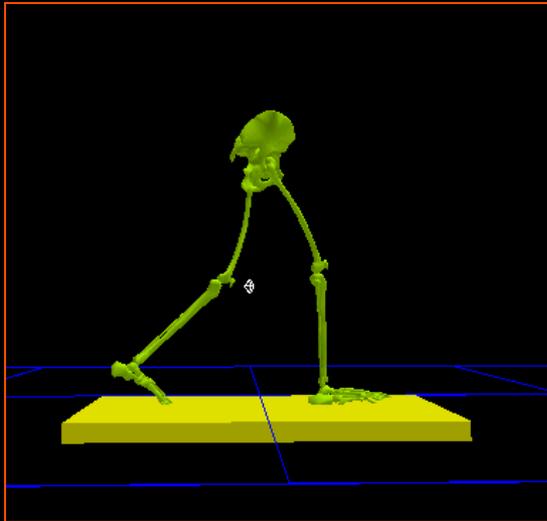
LA HANCHE NORMALE

CINEMATIQUE DE LA HANCHE

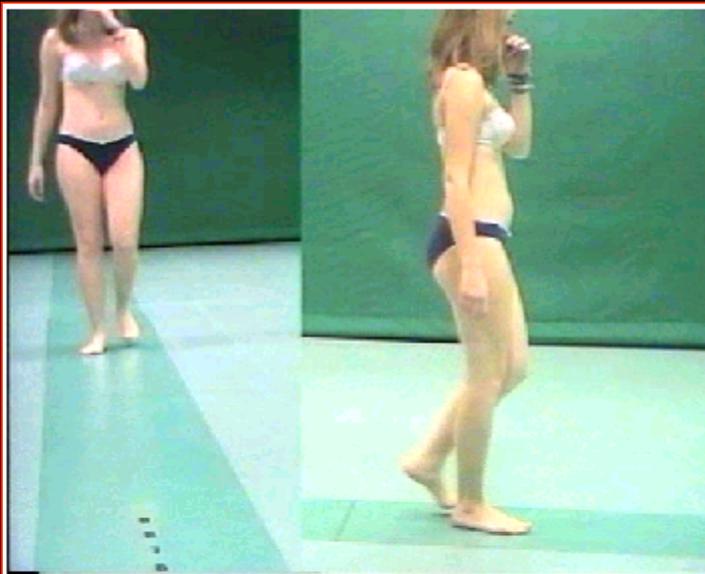
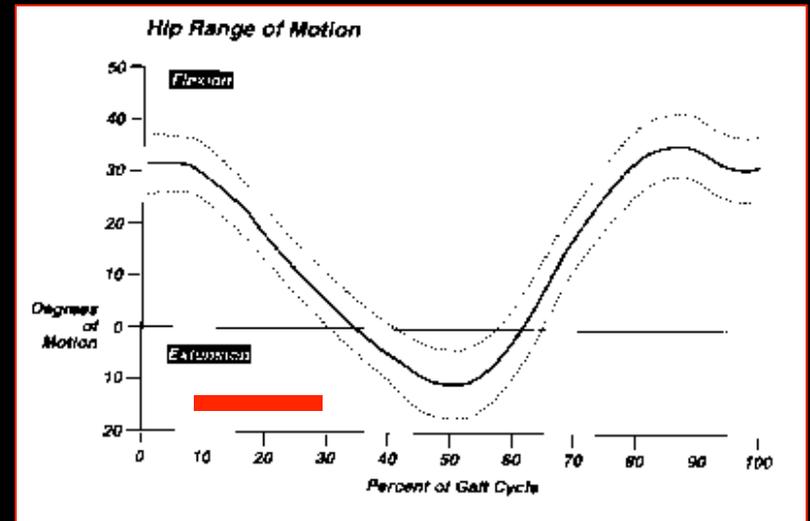
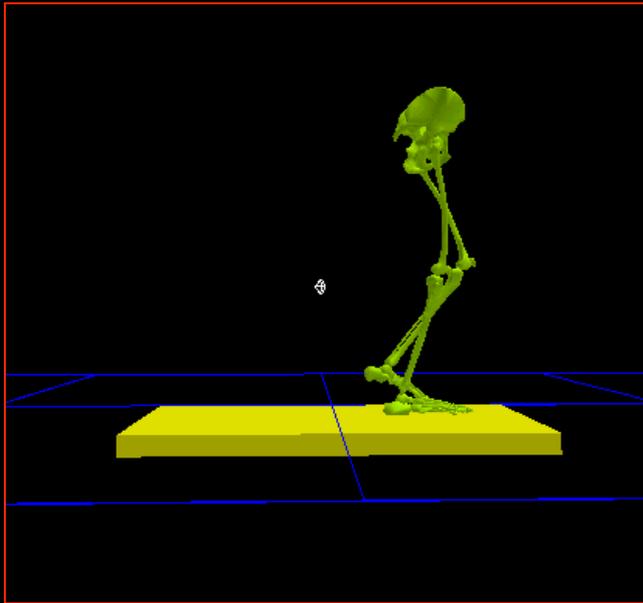




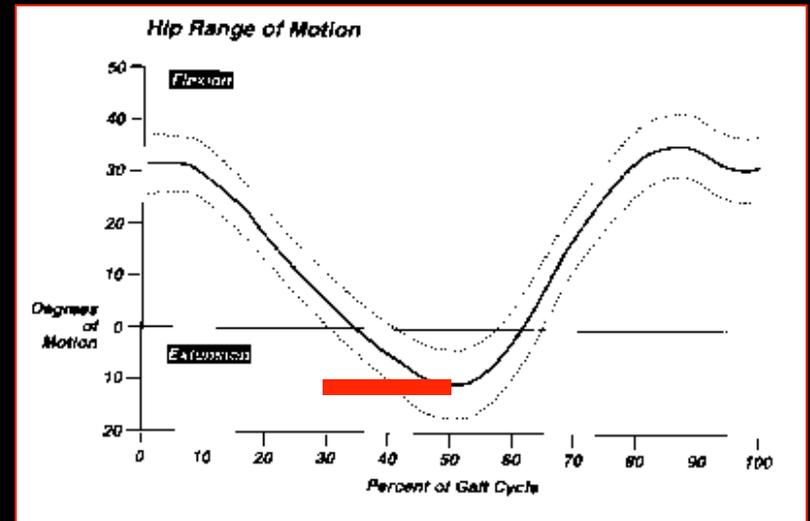
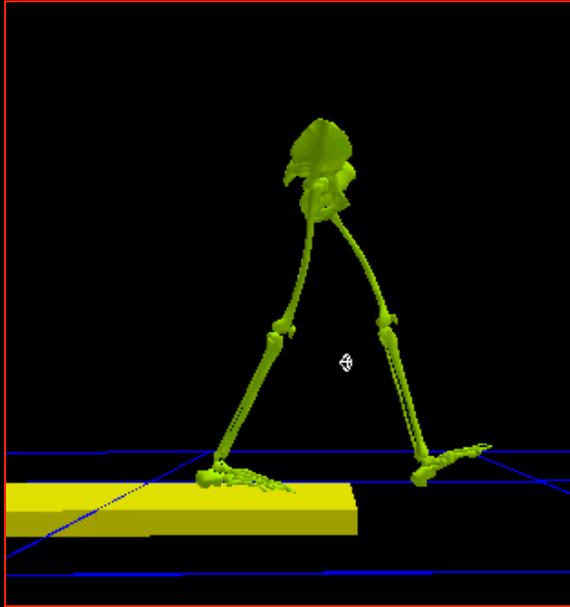
MISE EN APPUI



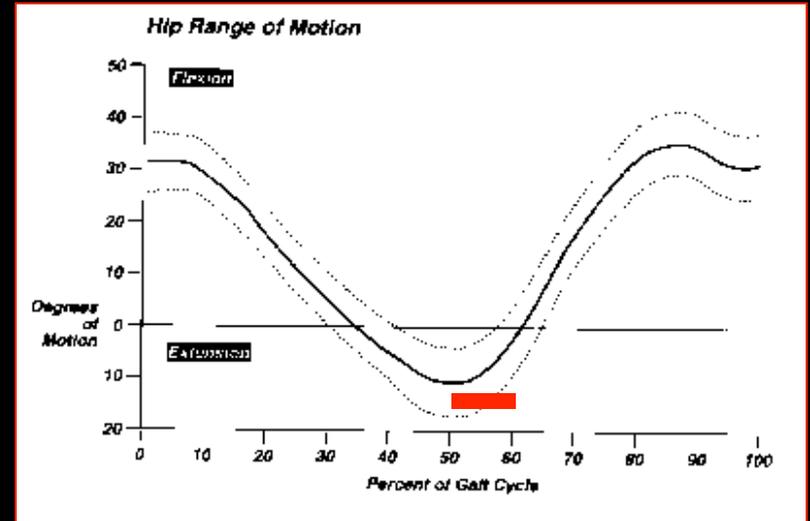
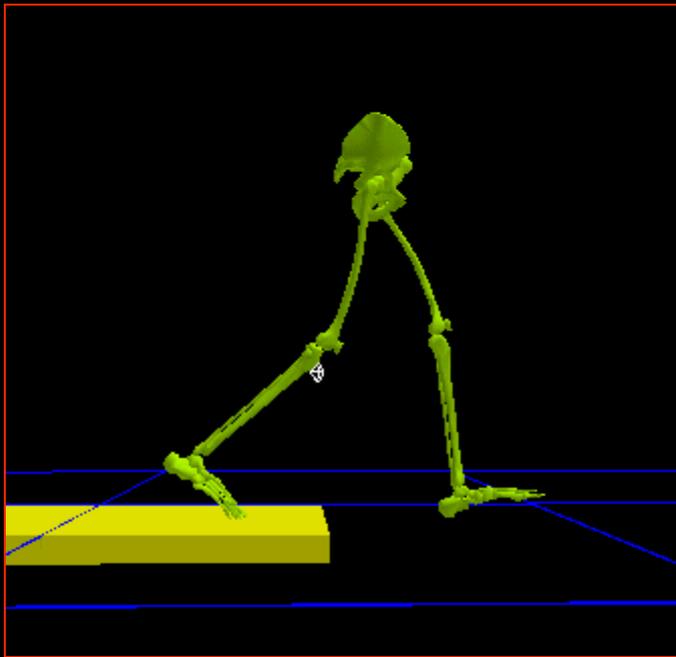
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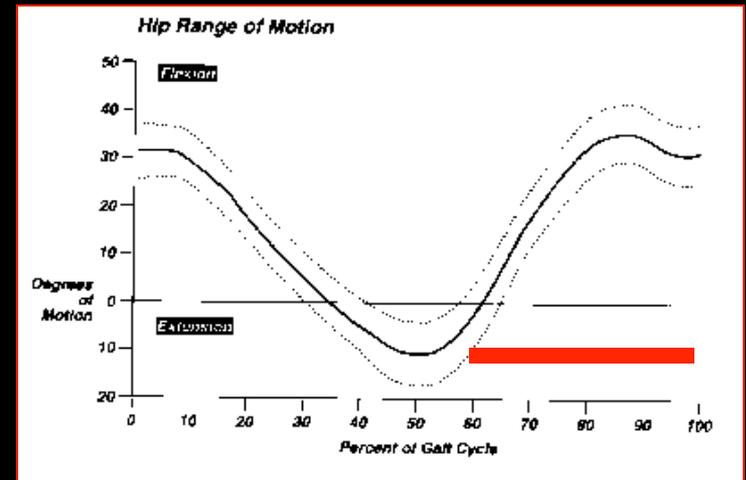
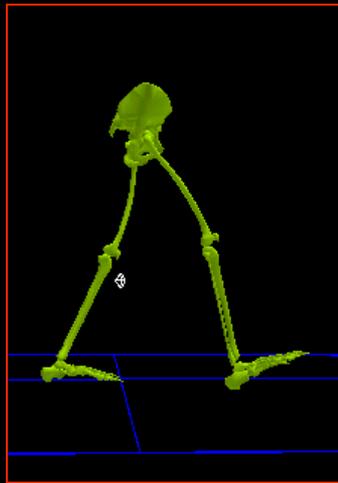
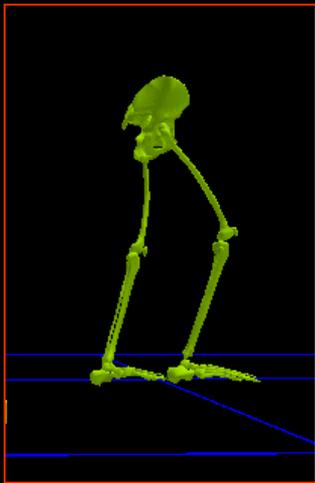
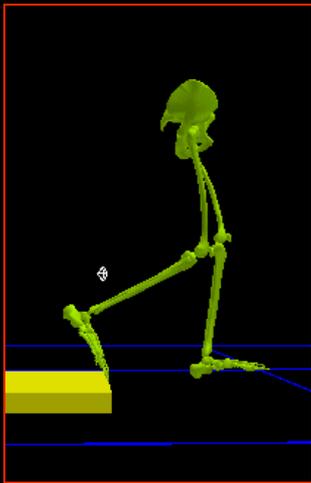


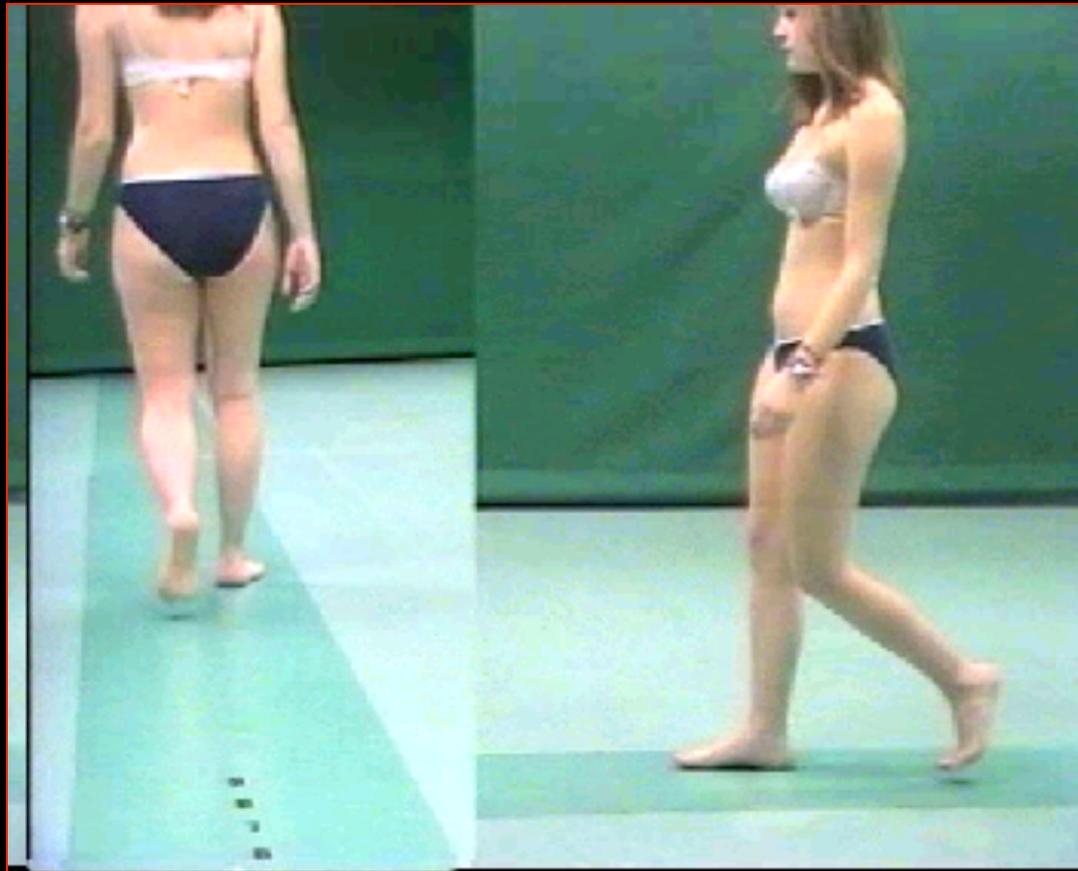
FIN D' APPUI



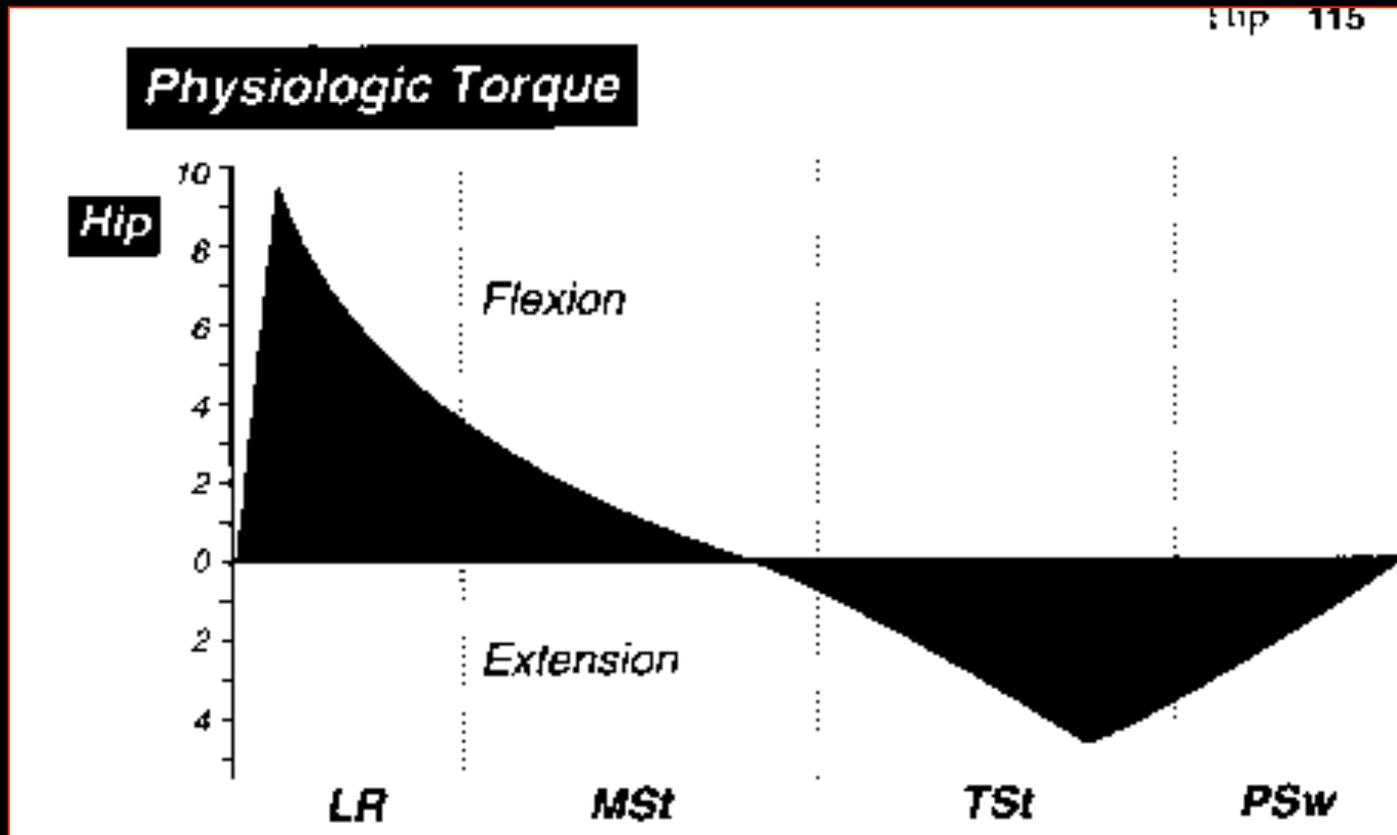
PHASE PRE OSCILLANTE



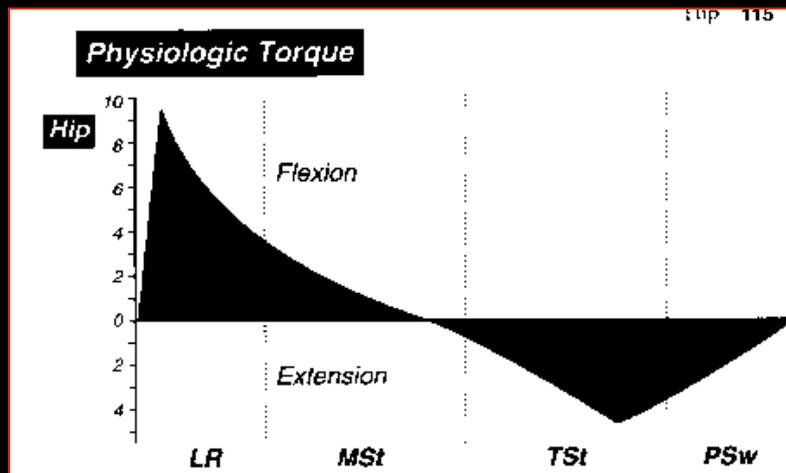
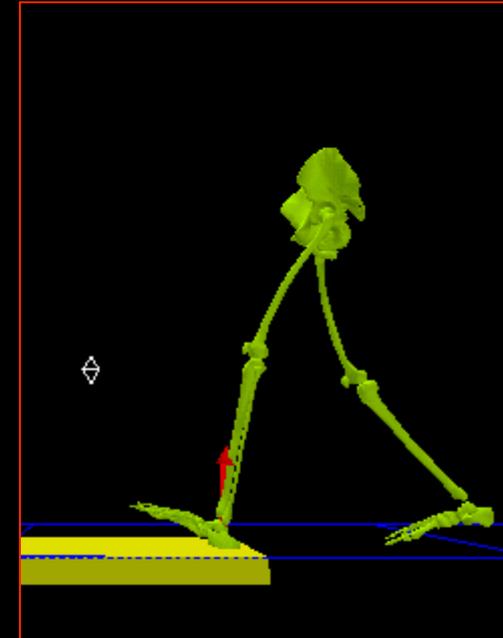
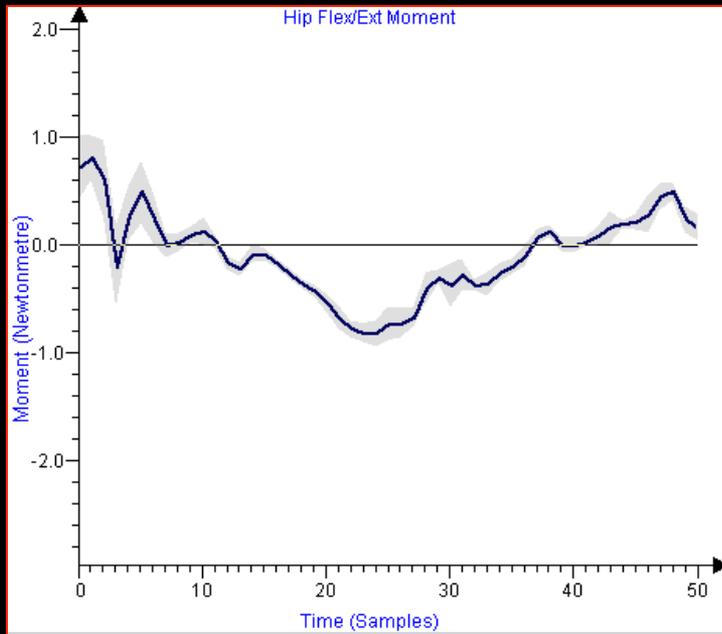




CINETIQUE DE LA HANCHE

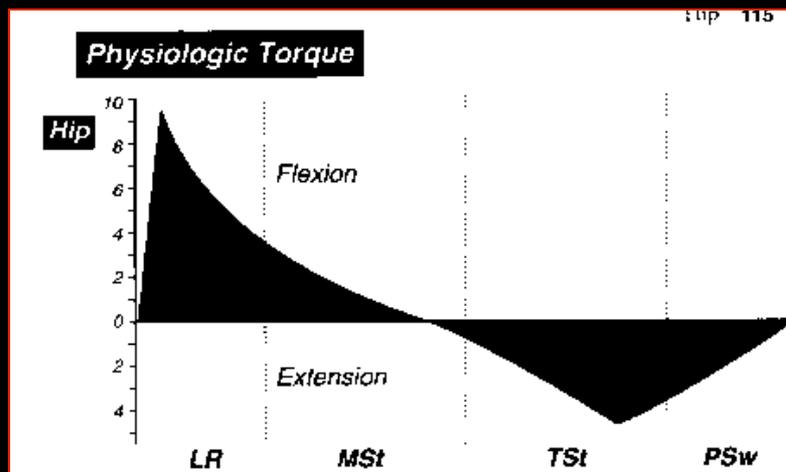
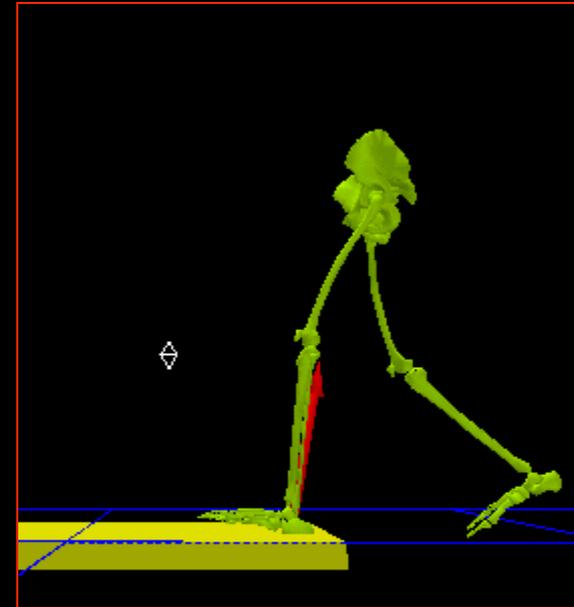
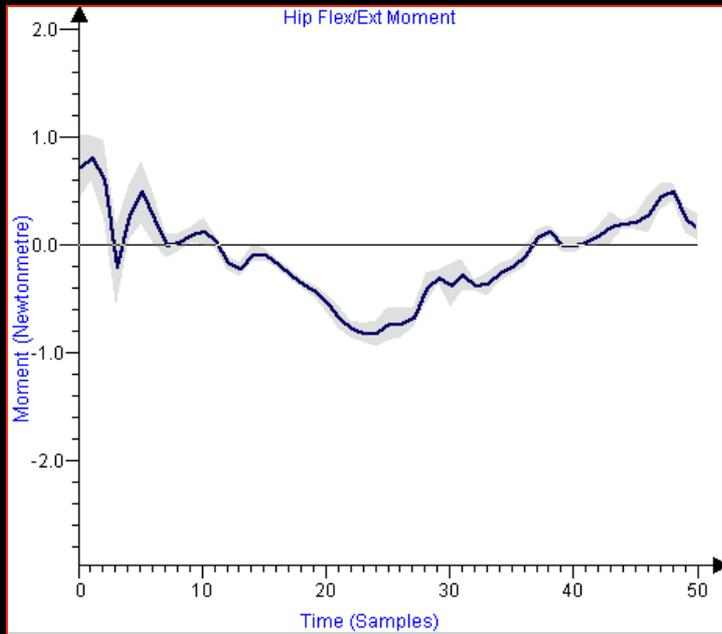


CINETIQUE DE LA HANCHE



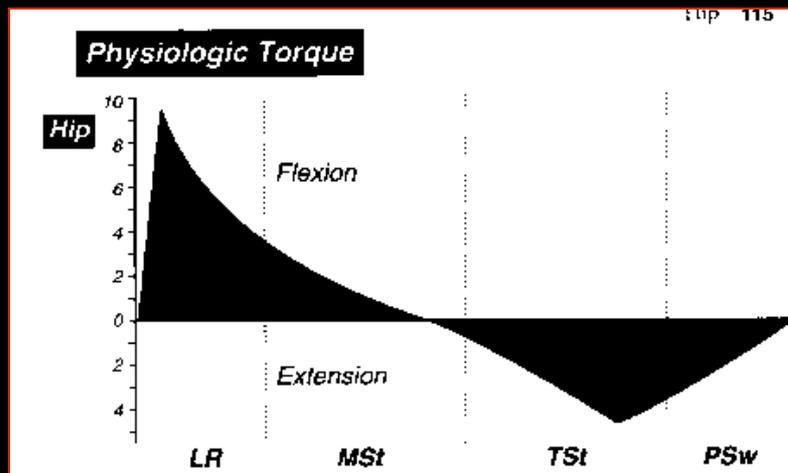
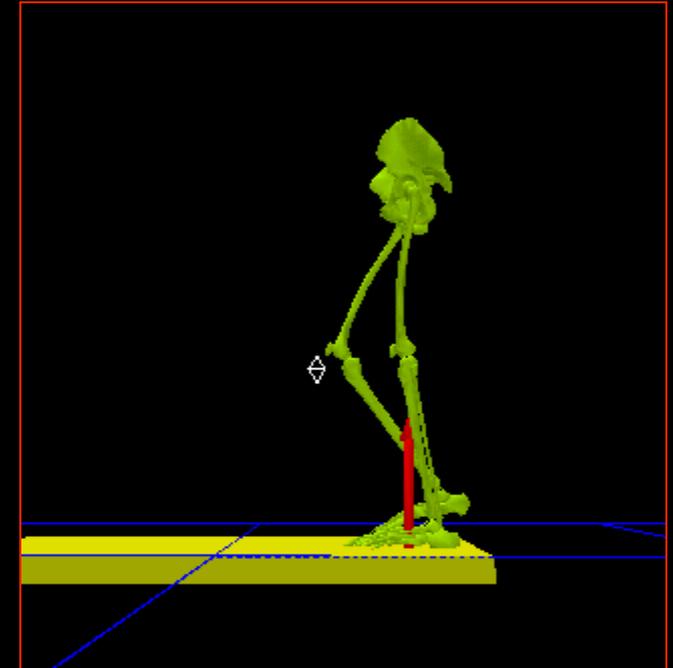
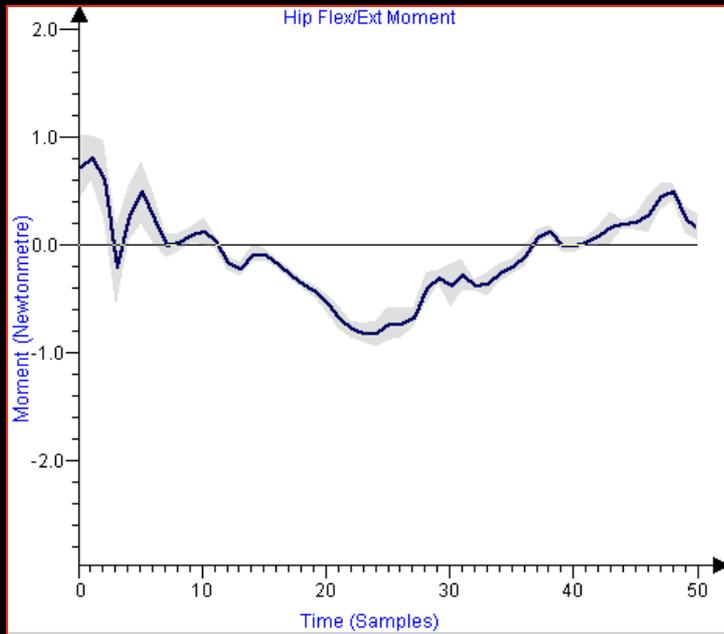
CONTACT INITIAL
Vecteur en avant de la hanche

CINETIQUE DE LA HANCHE



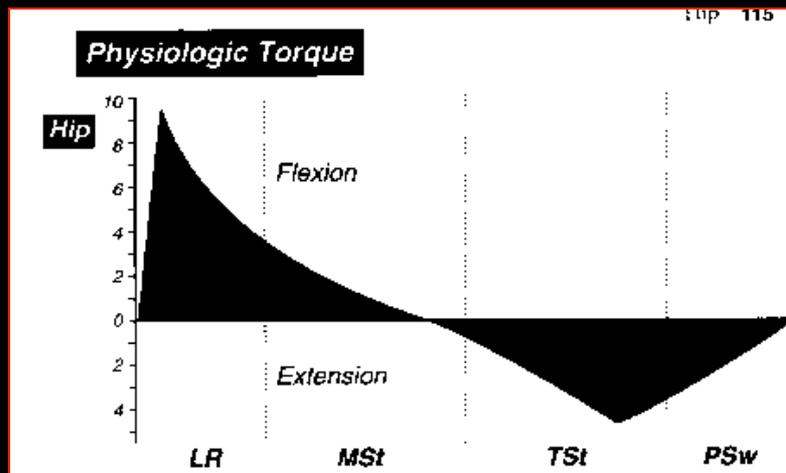
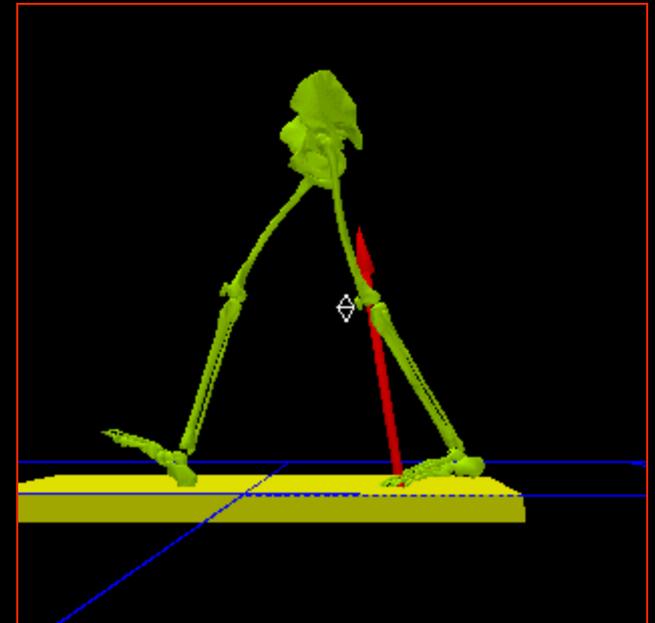
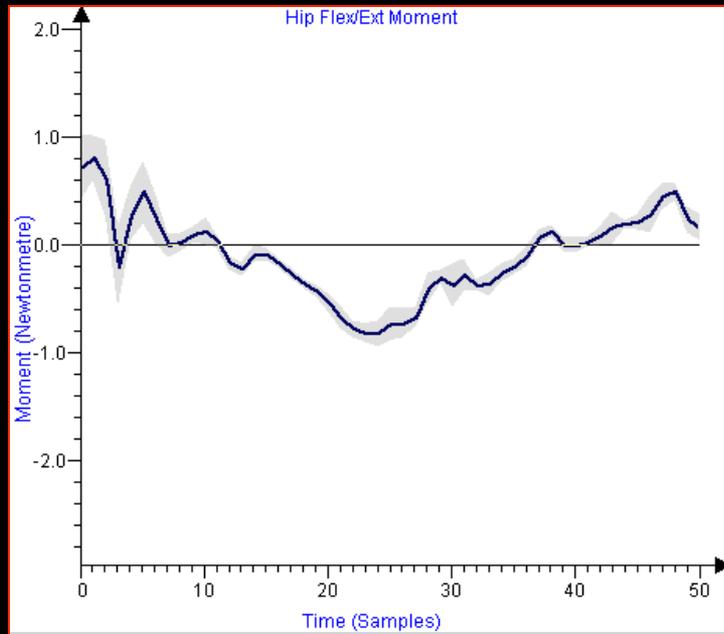
MISE EN APPUI
Vecteur en avant de la hanche

CINETIQUE DE LA HANCHE



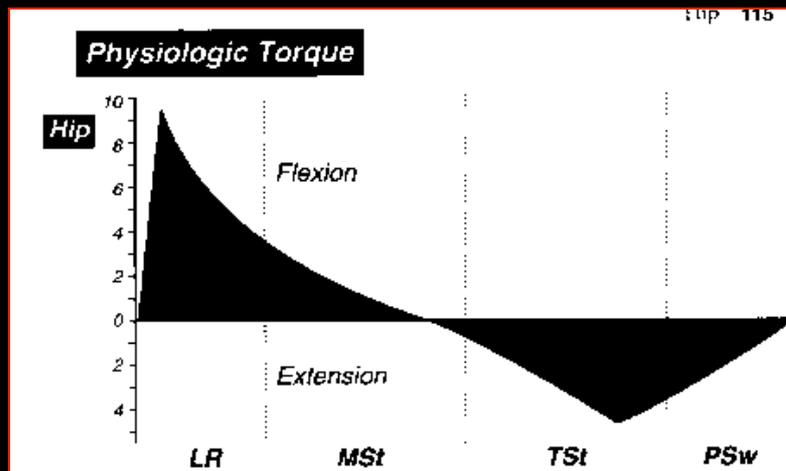
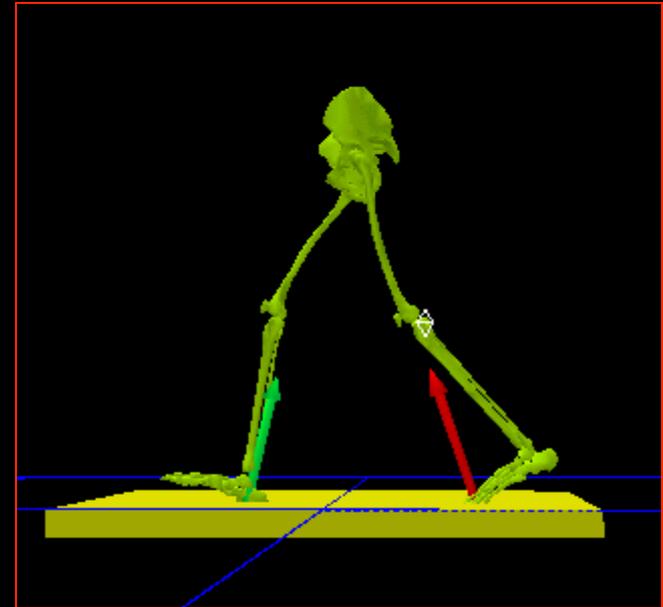
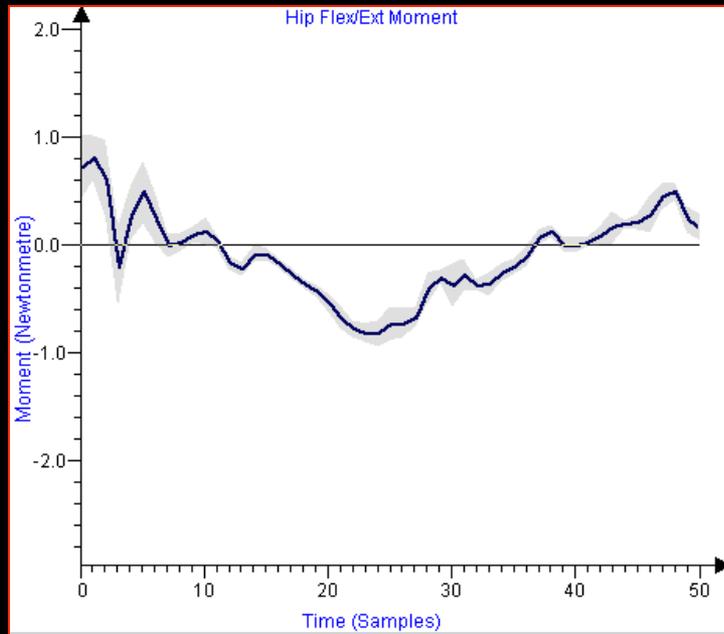
MILIEU D' APPUI
Vecteur près de la hanche

CINETIQUE DE LA HANCHE



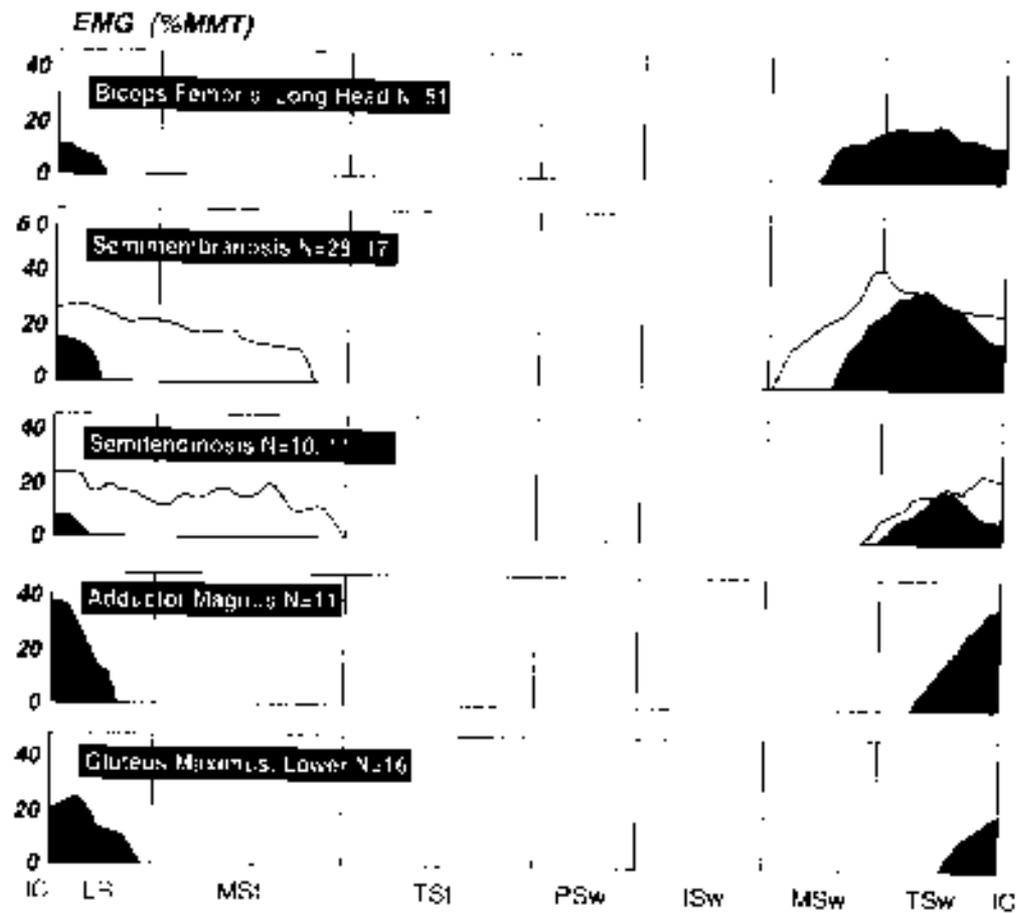
FIN D' APPUI
Vecteur en arriere de la hanche

CINETIQUE DE LA HANCHE

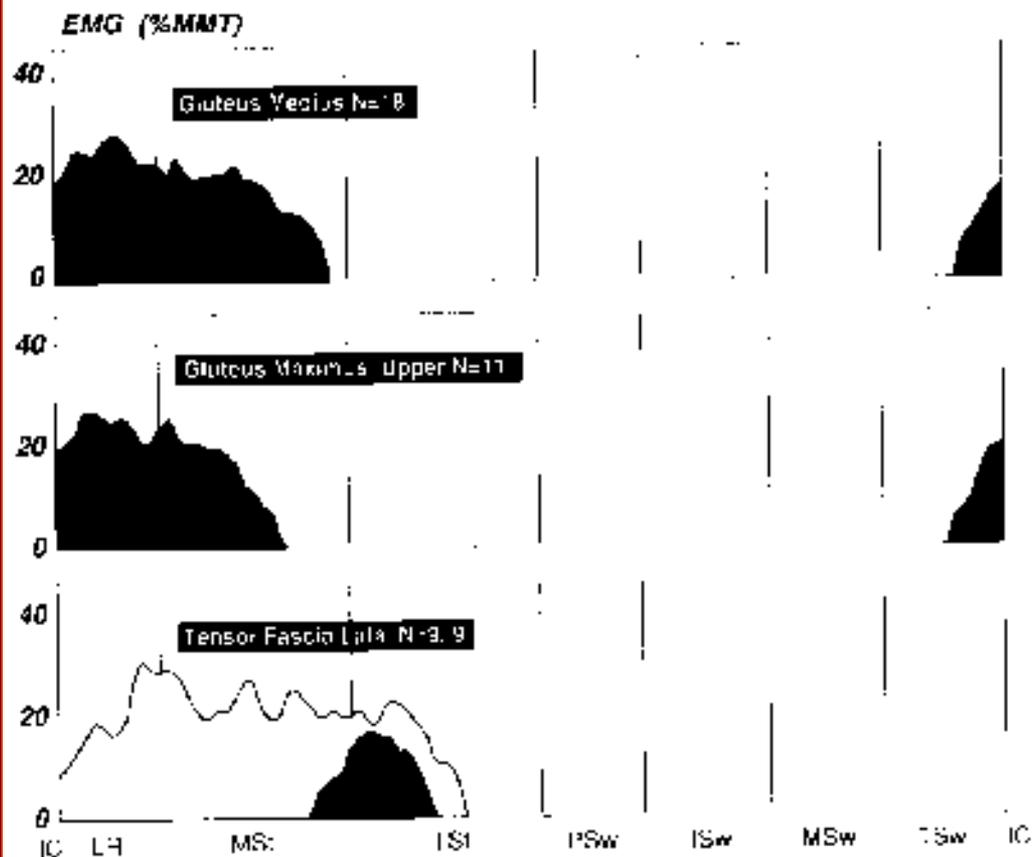


PHASE PRE OSCILLANTE
Déverrouillage
Vecteur près de la hanche

Hip Extensor Muscles

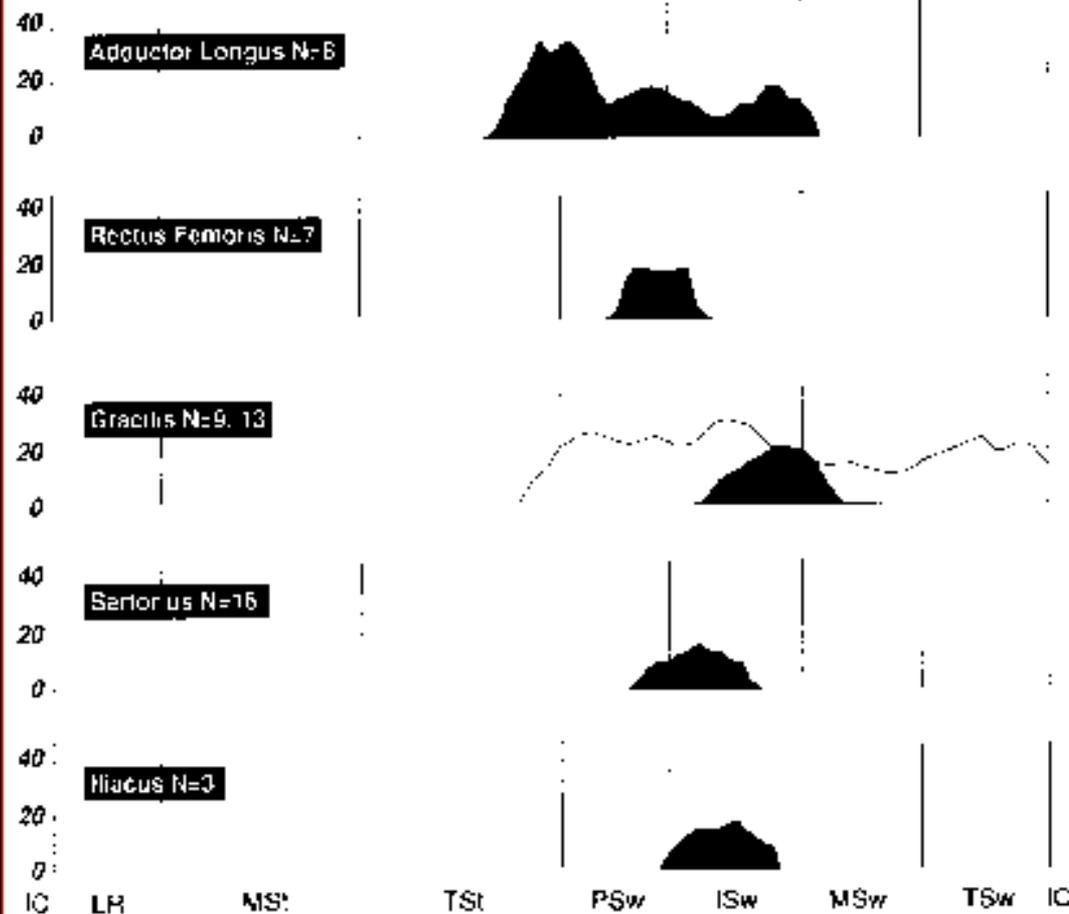


Hip Abductor Muscles

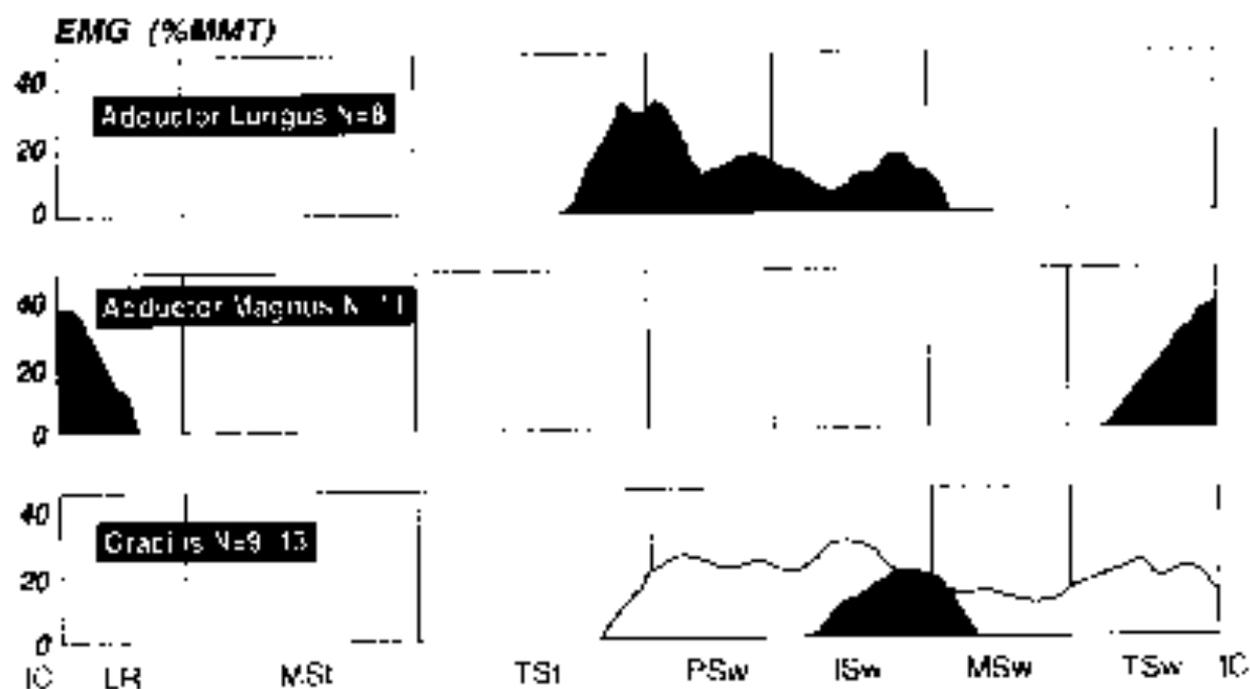


Hip Flexor Muscles

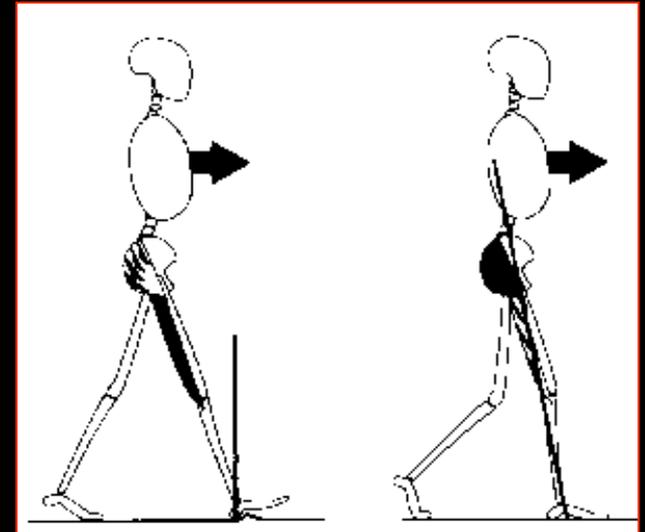
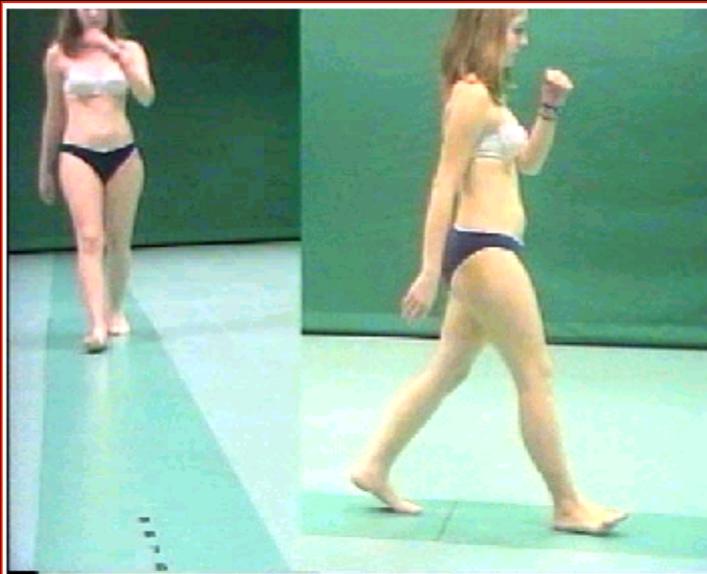
EMG (%MMT)



Hip Adductor Muscles

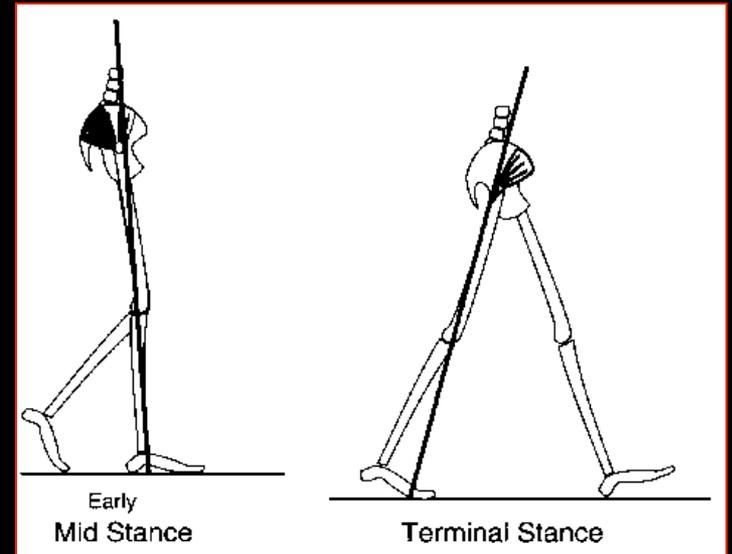
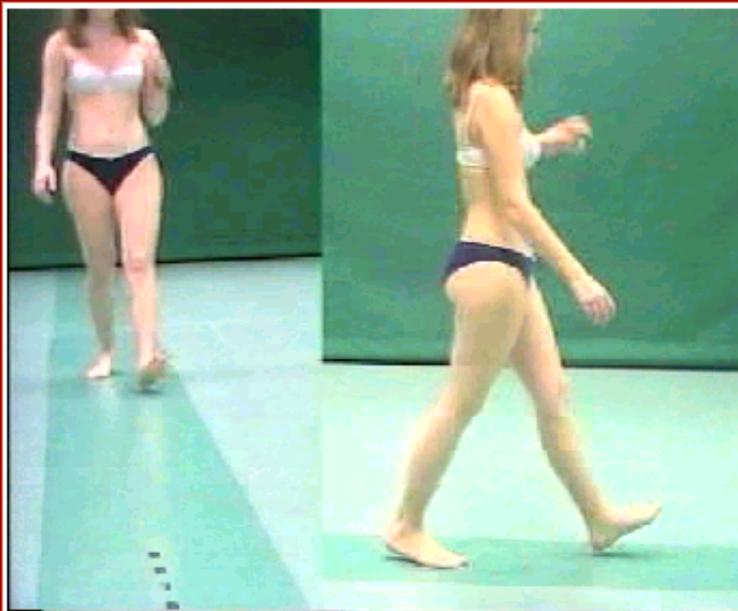
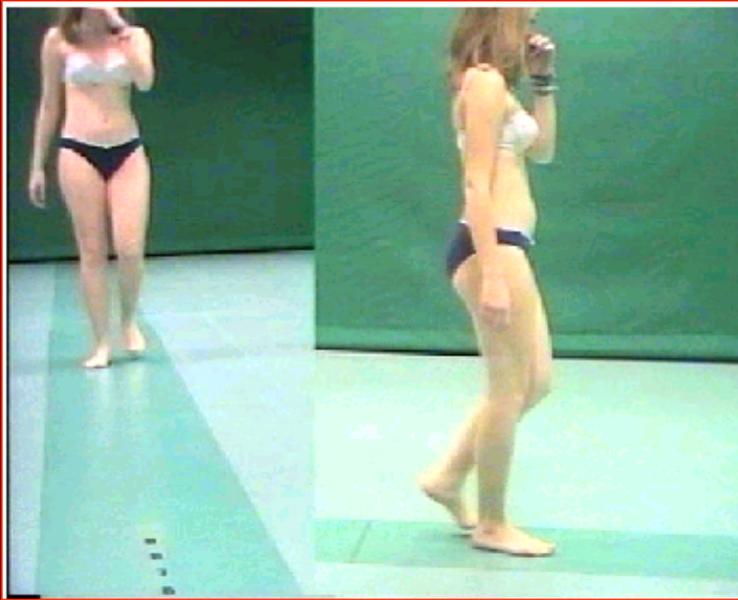


INTERPRETATION FONCTIONNELLE



- CONTACT INITIAL
- MISE EN APPUI

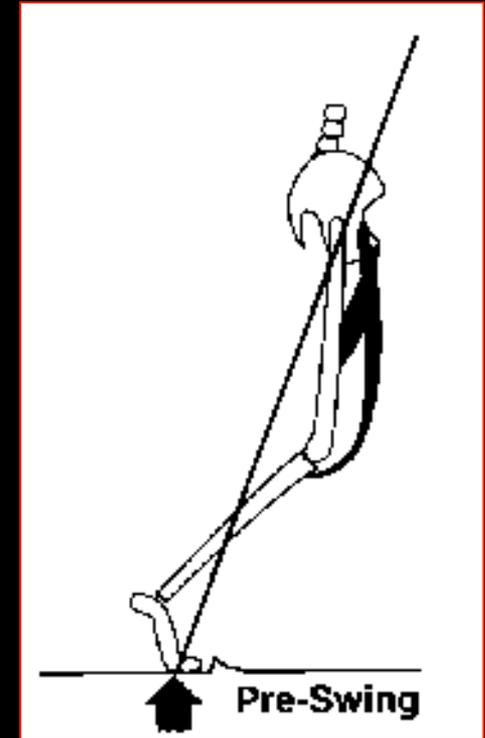
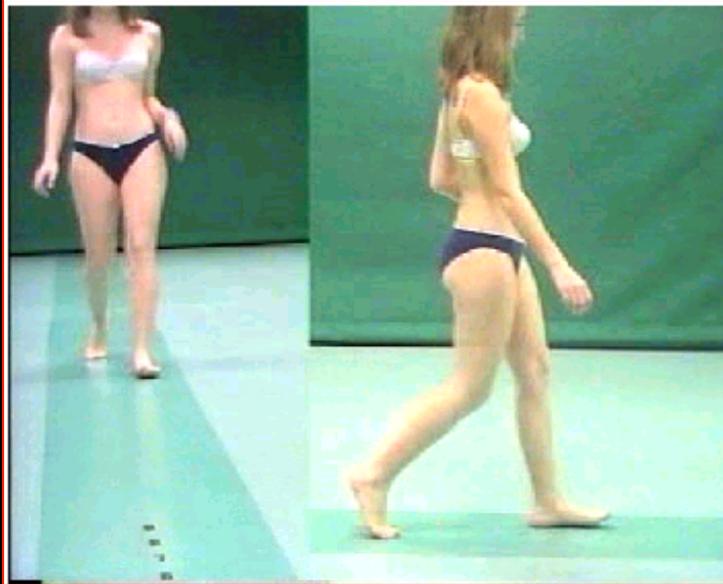
INTERPRETATION FONCTIONNELLE



• MILIEU D' APPUI

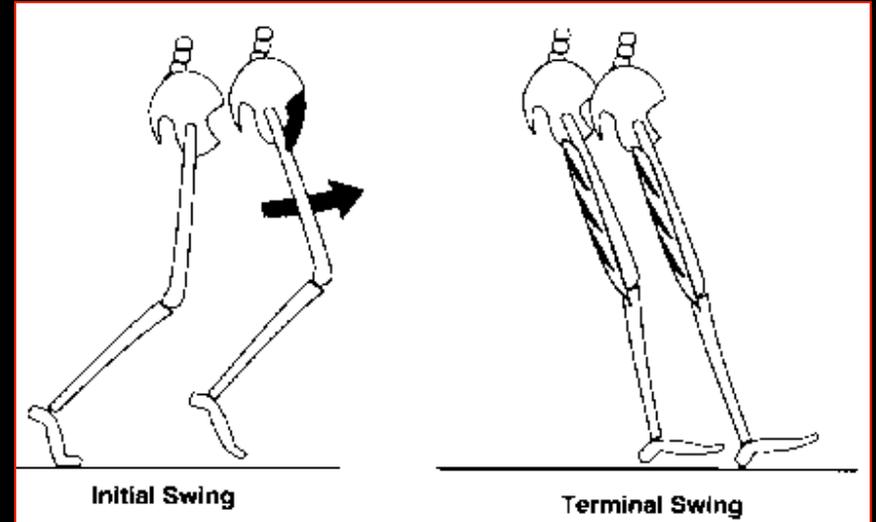
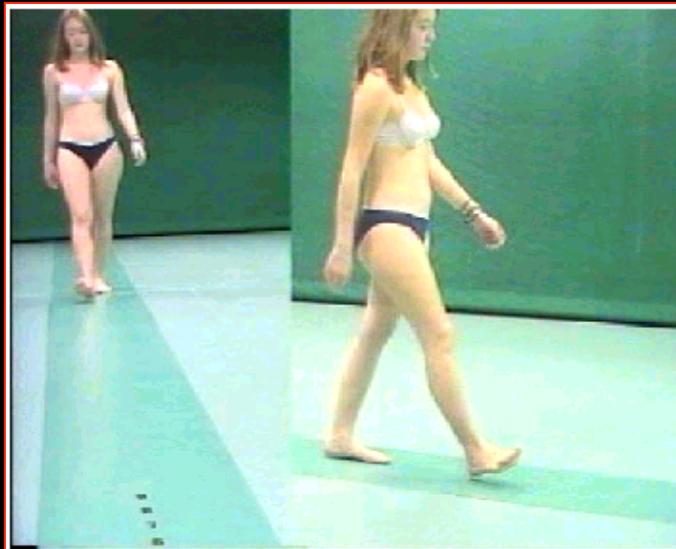
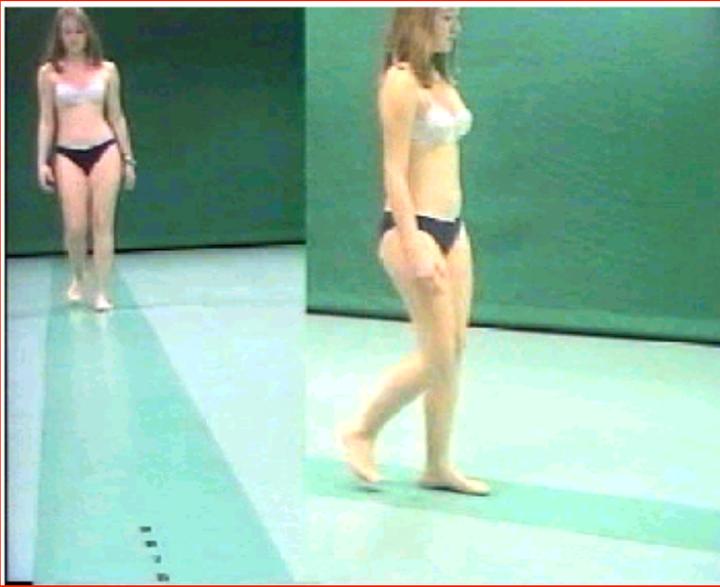
• FIN D' APPUI

INTERPRETATION FONCTIONNELLE



•PHASE PRE OSCILLANTE

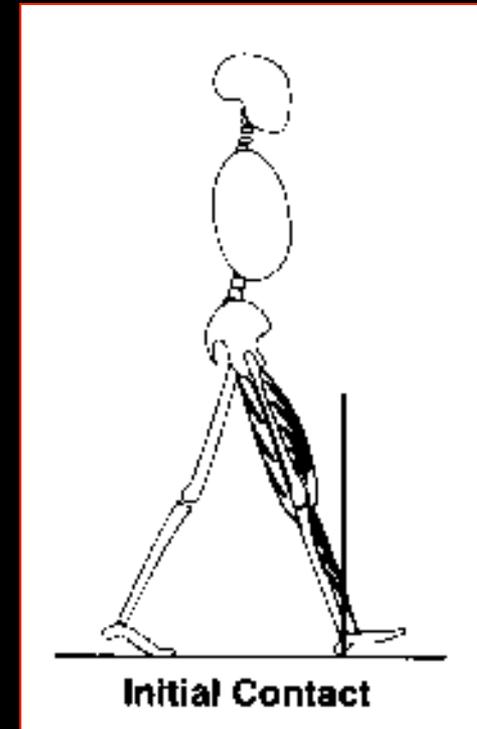
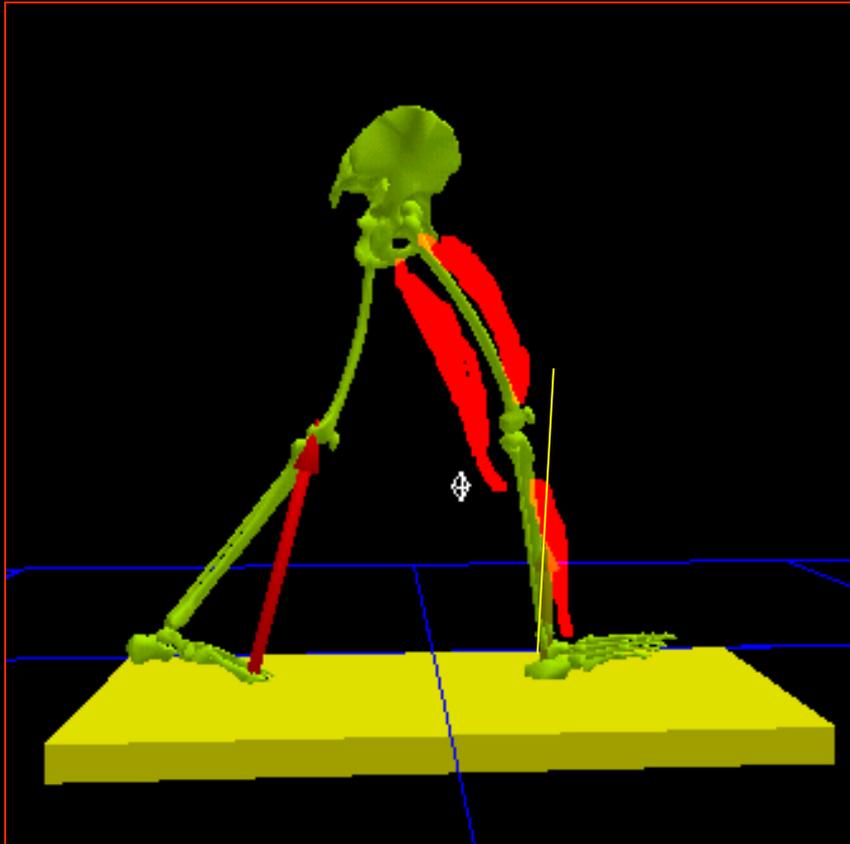
INTERPRETATION FONCTIONNELLE



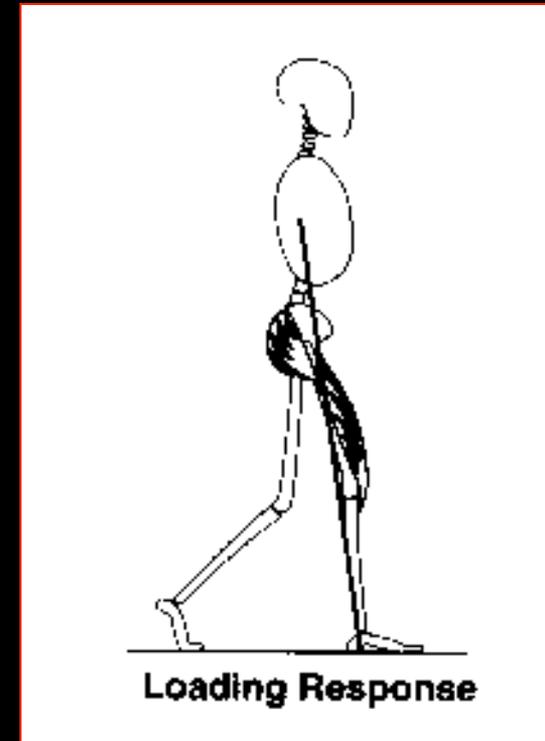
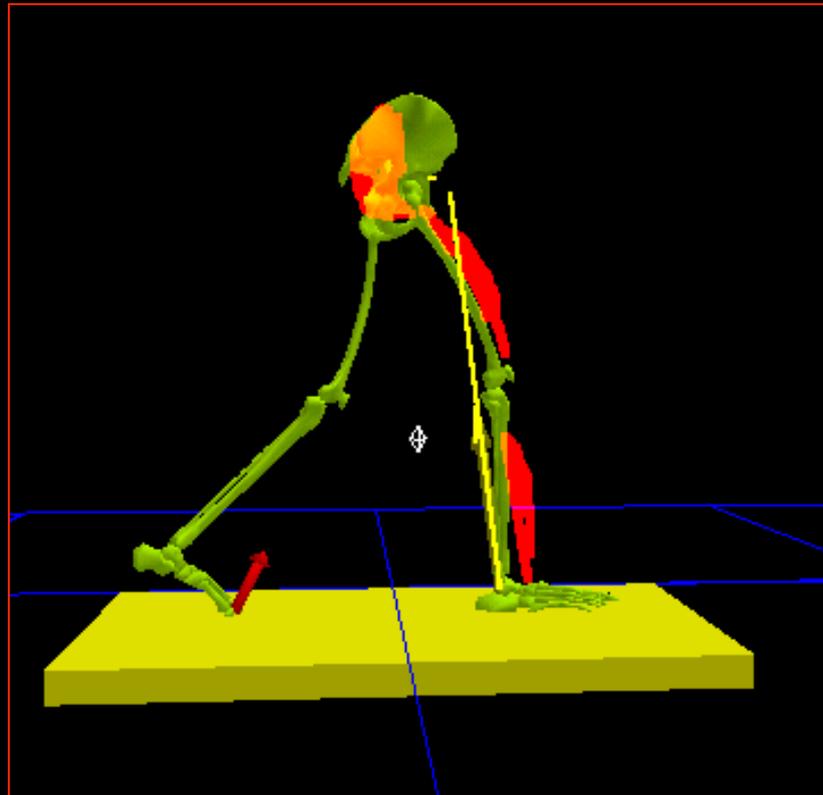
DEBUT PHASE OSCILLANTE

FIN PHASE OSCILLANTE

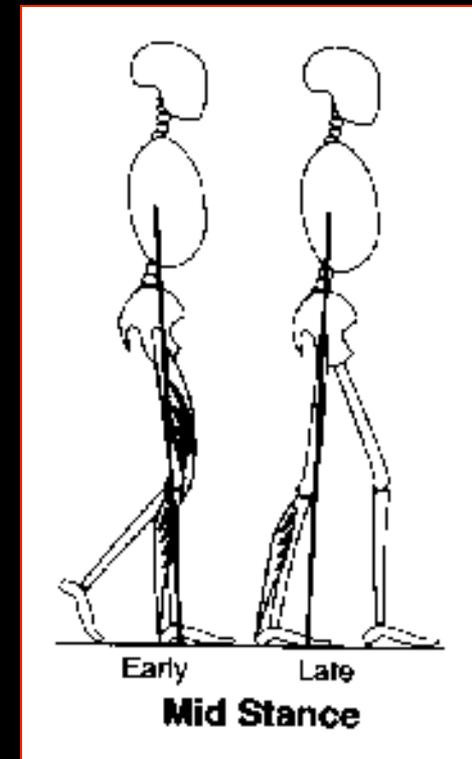
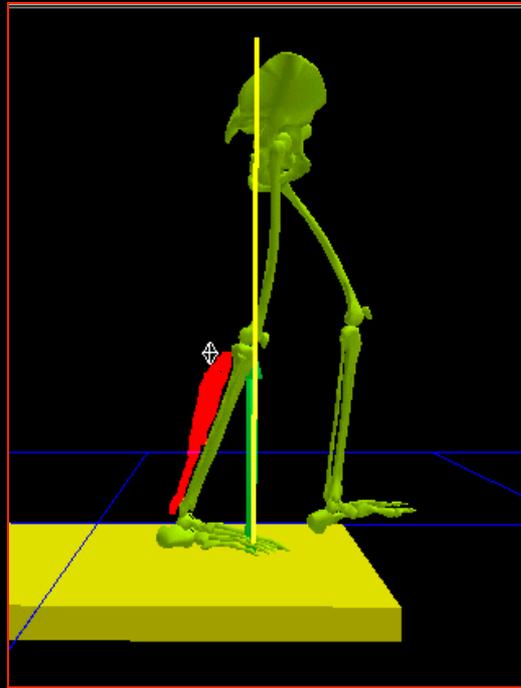
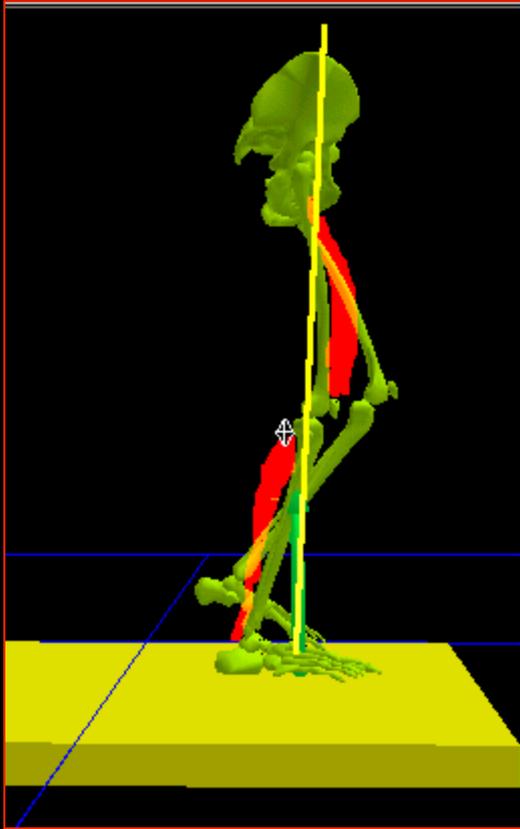
INTERPRETATION FONCTIONNELLE GLOBALE



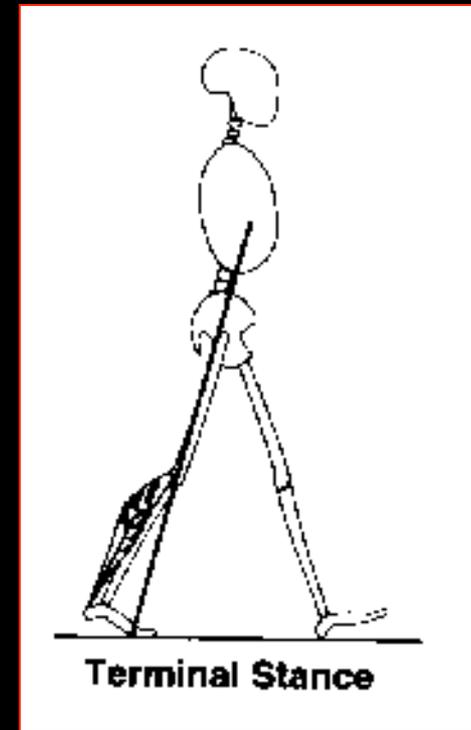
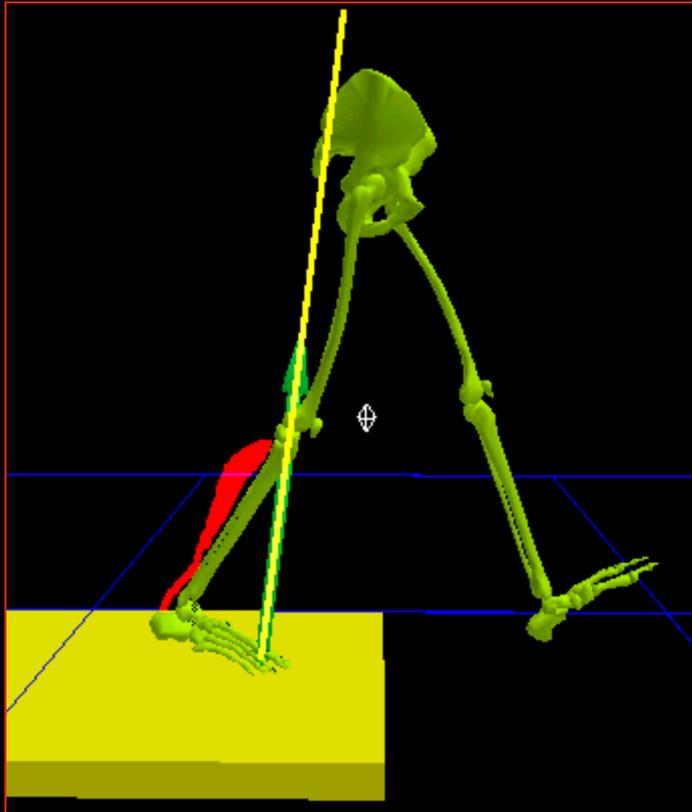
INTERPRETATION FONCTIONNELLE GLOBALE



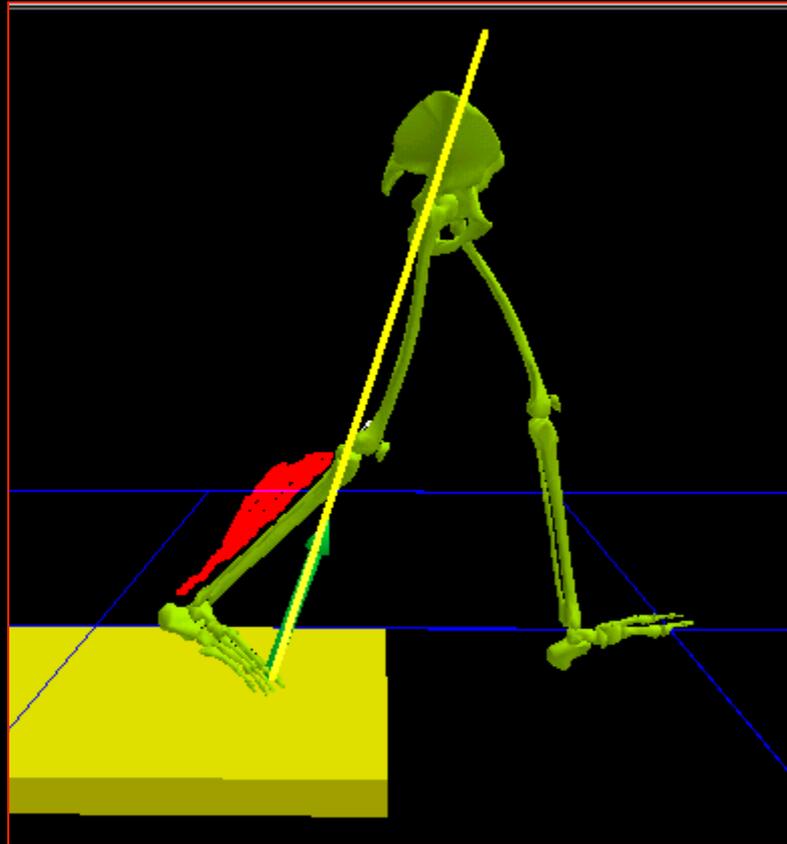
INTERPRETATION FONCTIONNELLE GLOBALE



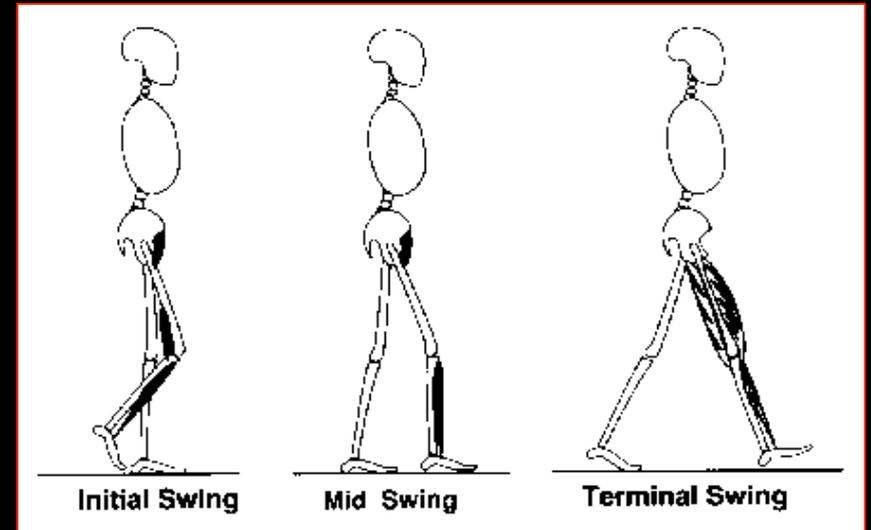
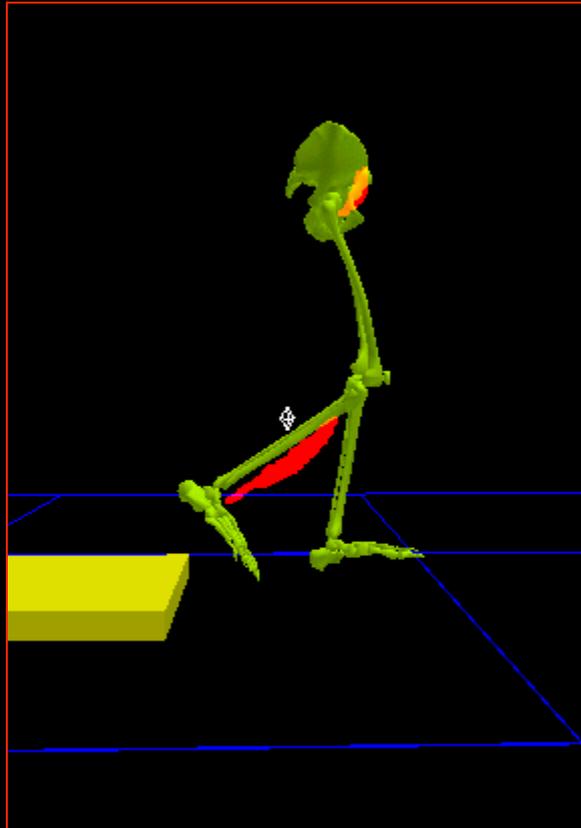
INTERPRETATION FONCTIONNELLE GLOBALE



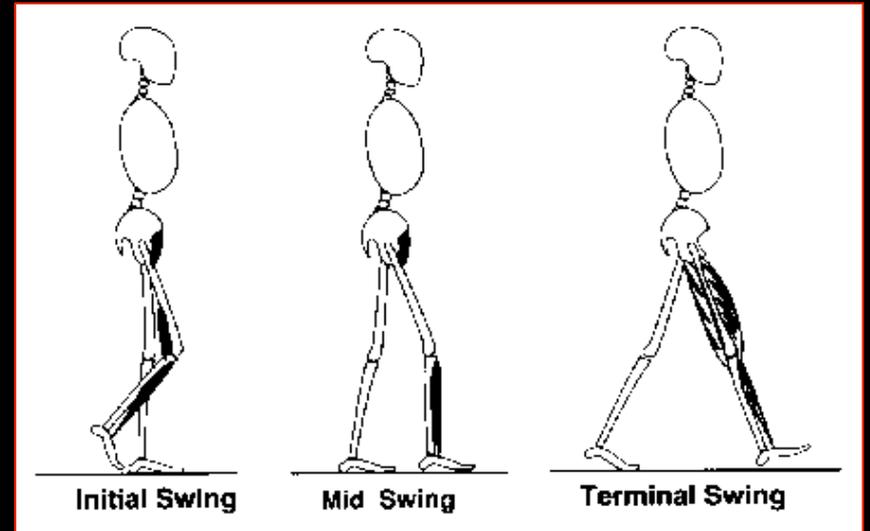
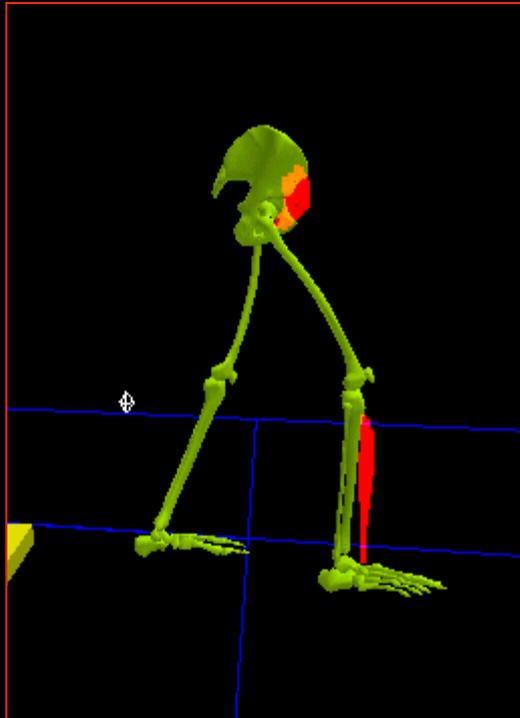
INTERPRETATION FONCTIONNELLE GLOBALE



INTERPRETATION FONCTIONNELLE GLOBALE



INTERPRETATION FONCTIONNELLE GLOBALE



INTERPRETATION FONCTIONNELLE GLOBALE

