AMERICAN ACADEMY
OF
ORTHOPAEDIC SURGEONS
FINAL PROGRAM

FEBRUARY 3 to 8, 1977
LAS VEGAS CONVENTION CENTER
LAS VEGAS, NEVADA
American Academy of Orthopaedic Surgeons
430 N. Michigan Avenue · Chicago, Ill. 60611
A New Look to and through the Above-Knee Socket

Gerald W. Mayfield, M.D., Honolulu, Hawaii
*James Scanlan, R.P.T., Denver, Colorado
*Ivan Long, C.P.O., Denver, Colorado

Utilizing a 14" x 36" cassette, an A.P. x-ray is taken of the above the knee amputee standing in his prosthesis to determine hip position in the frontal plane and stump-socket-prosthesis alignment as compared to the normal extremity. Twenty of 45 amputees fitted by standard techniques by various prosthetic facilities were found to have the amputation sighted hip introduction rather than the desired abducted position. In 13 amputees this objective x-ray technique was used as the basis of a revised method of prosthetic alignment to improve hip stability in the frontal plane and decrease the tendency for a gluteus medius weakness type limp.
A New Look at and through the Above-Knee Socket

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*James Scanlan, R.P.T., Denver, Colorado
*Ron Long, C.P.C., Denver, Colorado

Utilizing a 14" x 36" cassette, an A.P. x-ray is taken of the above the knee amputee standing in his prosthesis to determine hip position in the frontal plane and stump-socket-prosthesis alignment as compared to the normal extremity. Thirty-one of 39 amputees fitted by standard techniques by various prosthetic facilities were found to have the amputation site hip abduction rather than the desired adducted position. In 13 amputees this objective x-ray technique was used as the basis of a revised method of prosthetic alignment to improve hip stability in the frontal plane and decrease the tendency for a gluteus medius weakness type limp.

Discussion: Vert Mooney, M.D., Downey, California

5:29-5:30 P.M.
Closure

*By Invitation
LAS VEGAS CONVENTION CENTER, BALLROOM A

5:15-5:27 P.M. Paper No. 58

A New Look to and through the Above-Knee Socket

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Utilizing a 14" x 36" cassette, an A.P. x-ray is taken of the above the knee amputee standing in his prosthesis to determine hip position in the frontal plane and stump-socket-prosthesis alignment as compared to the normal extremity. Thirty-two of 33 amputees fitted by standard techniques by various prosthetic facilities were found to have the amputation side hip in abduction rather than the desired adducted position. In 13 amputees this objective x-ray technique was used as the basis of a revised method of prosthetic alignment to improve hip stability in the frontal plane and decrease the tendency for a gluteus medius weakness type limp.

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Digitally re-typeset by Charles King, CP completed on 12/29/08. Jim Scanlon's name and Ivan Long's credentials corrected.