REHAB Tech - Monash Rehabilitation Technology Research Unit assume no liability for any claim of adverse effects resulting from misapplication of the information presented here in. While every effort is made to ensure the accuracy of the guide no responsibility or liability will be taken for any inaccuracies.

**REHABTech is finance and supported by**

[Commonwealth Department of Veterans’ Affairs]

In collaboration with

[Monash University]

© Copyright 2001
All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording or any information storage and retrieval system, without permission in writing from the publisher. Requests for permission to make copies of any part of the work should be addressed to:

REHAB Tech - Monash Rehabilitation Technology Research Unit
C/- C.G.M.C.
260 - 294 Kooyong Road
CAULFIELD VIC 3162
AUSTRALIA
Email rehab.tech@eng.monash.edu.au
Assessment of Hydraulic Knee Controller’s

Failures in hydraulic knee units can result in oil leakage and loss of support, bringing about dangerous and embarrassing situations. Usually the failure results in poor performance, and as a result the user may develop further walking impairments.

The development of a test capable of aiding in the prediction of failures and the assessment of hydraulic performance was thus required.

Expensive Procedures could be employed, however the goal was to design a simple, cheap, and effective device.

During investigation, it was found that the time taken for the unit to extend under its own forces varied significantly between new and old units.