

# IRPAG Liner Working Party

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## Reasons For This Work

Spend on liners is high, Approx 16% of the NHS hardware budget is being used for liner prescription and is likely to increase.

Putting a patient on a liner has life time costs

*A recent audit found that a centre supplied 21 liners as a method of suspension. 11 different liners were provided with an average cost of £240 in 2005. (IRPAG Feb 08)*

Alan Lynch & James McVeigh pressurising manufacturers to state life of limb/ component. This will have an additional cost implication to our services

## Liner Survey and Literature Outcomes

There is little scientific evidence to inform on the prescription practices of liners (Glenn K. Klute et al <sup>1</sup>)

Liner prescription and application varies considerably across centres (McCurdie et al <sup>2</sup>)

Prescribing activity is largely determined by personal experience (IRPAG Liner survey 09-10 <sup>3</sup>)

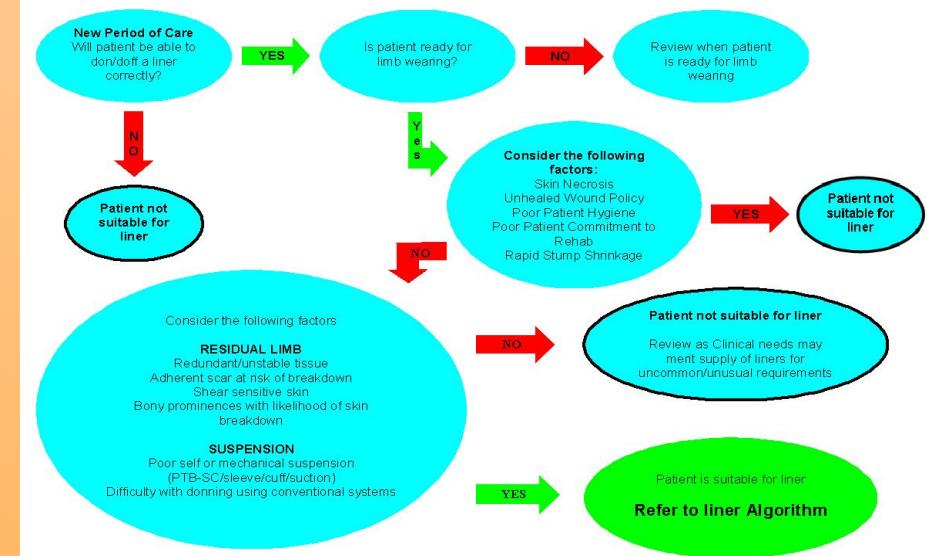
There is little consistent agreement in the research literature regarding the most effective way of providing a skeletal / mechanical interface (Centre for Evidence-based Purchasing CEP 2007- PASA NHS)

### References

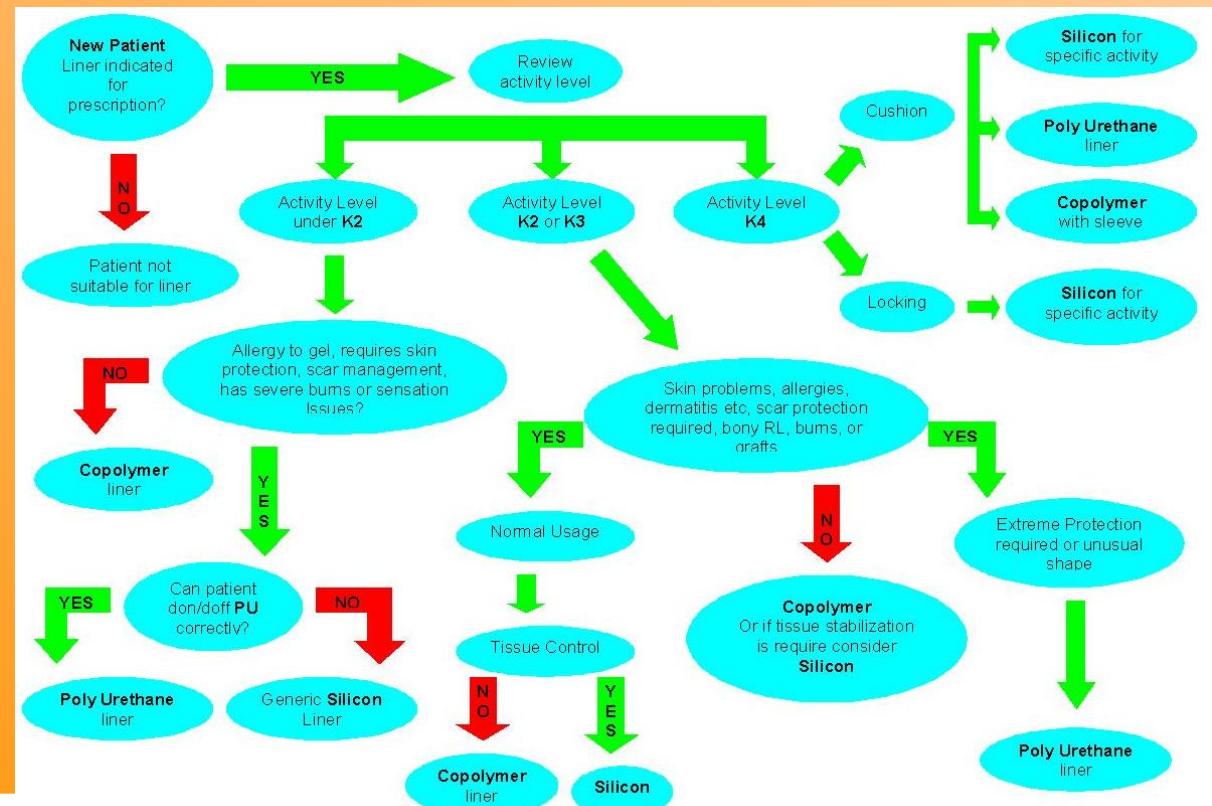
1. Klute GK, Glaister GC, Berge JS. Prosthetic Liners for lower limb amputees: A review of the literature. *Prosthetics & Orthotics International* 2010; Vol42 No 2: 146-153
2. McCurdie I, Hanspal R, Nieveen R. ICEROSS – a consensus view: a questionnaire survey of the use of ICEROSS in the United Kingdom. *Prosthetics & Orthotics International* 1997; 9: 124-128
3. IRPAG Liner survey 09-10 IRPAG Meeting BRSM March 2009
4. Evidence Review, Pain-free artificial lower limb patient interface. Centre for Evidence-based Purchasing CEP 2007- PASA NHS

## Our Proposition: A set of simple algorithm management systems

### 1: A factor specific prescription guidelines algorithm



### 2: An improved liner selection criteria guidelines algorithm



## Conclusion

Agreed prescription factors for better objectivity, transparency and accountability  
Improved record and evidence for liner prescription and selection  
Measurable standards (audit)