

Introduction

- ❖ There are two options: hemiarthroplasty, which replaces the femoral head with a prosthesis, and total hip arthroplasty, which replaces the acetabulum and the femoral head with prostheses
- ❖ The Oxford Hip Score (OHS) is a self-administered, 12-item questionnaire that is specialized to the hip [7,8]. Due to its validity, responsiveness, and reliability, it has been extensively utilized as one of the main outcome measures for THA and function
- ❖ This study uses the Oxford Hip Score questionnaire to assess the function of those who had total hip replacement and those who underwent hemiarthroplasty between the ages of 60 and 80.



Methods

- ❖ A retrospective investigation was conducted at Lister Hospital.
- ❖ Patients (aged 60 to 80) who were hospitalized between January 1, 2020 and July 31, 2022 who had intracapsular neck of femur fractures were included. Patients were contacted again in August 2025,
- ❖ The study excluded patients who did not have hemiarthroplasty (HA) or total hip arthroplasty (THA).
- ❖ The statistical analysis was conducted using the IBM SPSS program version 22.0 (SPSS, USA).

Grading for the Oxford Hip Score

Score 0 to 19 – May indicate severe hip arthritis. It is highly likely that you may well require some form of surgical intervention, contact your family physician for a consult with an Orthopaedic Surgeon.

Score 20 to 29 – May indicate moderate to severe hip arthritis. See your family physician for an assessment and x-ray. Consider a consult with an Orthopaedic Surgeon.

Score 30 to 39 – May indicate mild to moderate hip arthritis. Consider seeing you family physician for an assessment and possible x-ray. You may benefit from non-surgical treatment, such as exercise, weight loss, and /or anti-inflammatory medication

Score 40 to 48 May indicate satisfactory joint function. May not require any formal treatment.

OXFORD HIP SCORE QUESTIONNAIRE

Please answer the following 12 questions. Choose only one answer per question. The value for each answer is indicated to the right of the answer. Total up all of your answers to obtain a total score out of 48 points. Please only consider how you have been getting on during the past four weeks

Name: _____
Date: _____
Left or right Hip? _____

1. How would you describe the pain you usually have in your hip?	Score	7. Have you been able to put on a pair of socks, stockings or tights?	Score
None – 4		Yes, easily – 4	
Very mild – 3		With little difficulty – 3	
Mild – 2		With moderate difficulty – 2	
Mild/moderate – 1		With extreme difficulty – 1	
Severe – 0		No, impossible – 0	

2. Have you been troubled by pain from your hip in bed at night?	Score	8. After a meal (sat at a table), how painful has it been for you to stand up from a chair because of your hip?	Score
No nights – 4		Not at all painful – 4	
Only 1 or 2 nights – 3		Slightly painful – 3	
Some nights – 2		Moderately painful – 2	
Most nights – 1		Very painful – 1	
Every night – 0		Unbearable – 0	

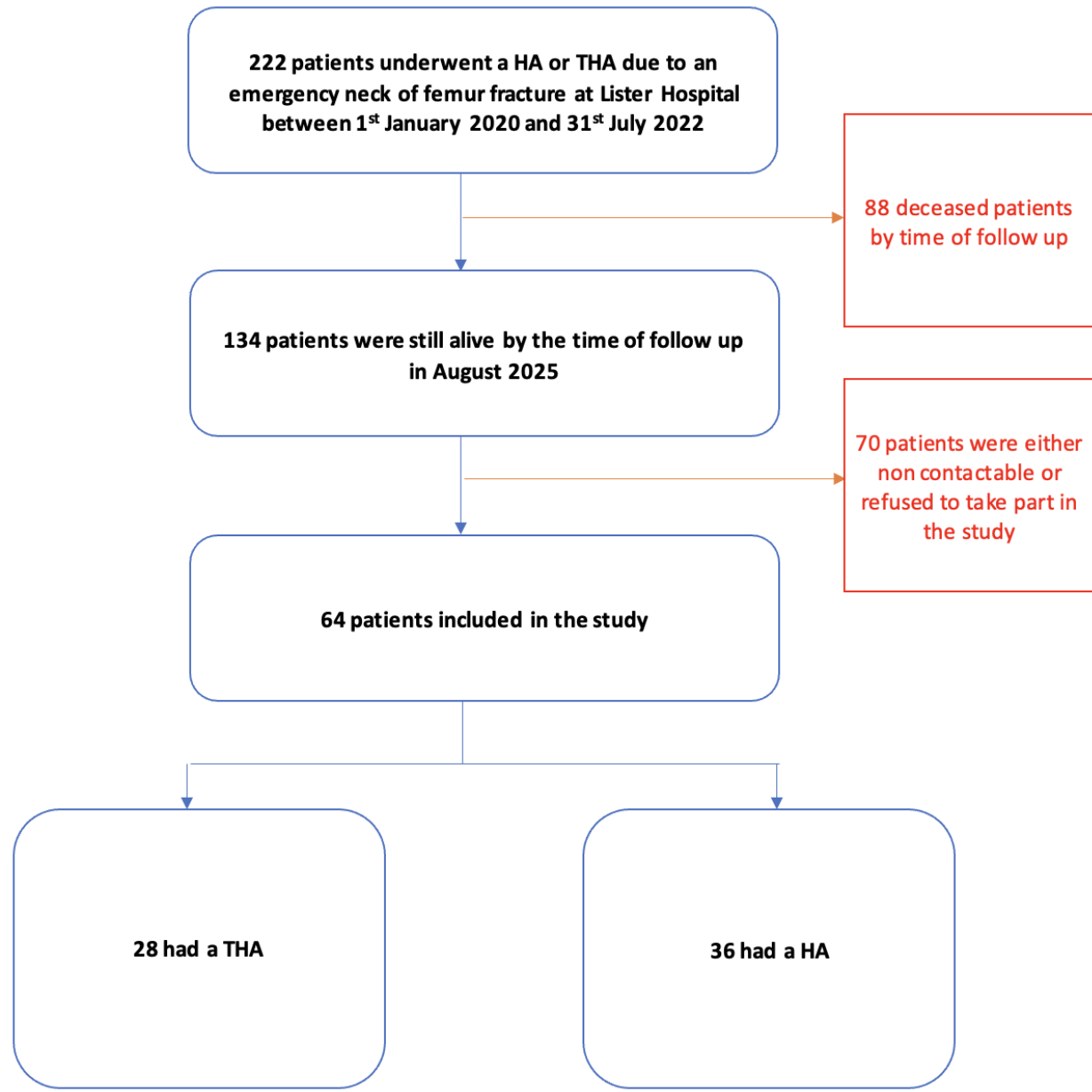
3. Have you had any sudden, severe pain - 'shooting', 'stabbing', or 'spasms' from your affected hip?	Score	9. Have you had any trouble getting in and out of a car or using public transportation because of your hip?	Score
Rarely/never – 4		No trouble at all – 4	
Sometimes or just at first – 3		Very little trouble – 3	
Often, not just at first – 2		Moderate trouble – 2	
Most of the time – 1		Extreme difficulty – 1	
All of the time – 0		Impossible to do – 0	

4. Have you been limping when walking because of your hip?	Score	10. Have you had any trouble with washing and drying yourself (all over) because of your hip?	Score
Rarely/never – 4		No trouble at all – 4	
Sometimes or just at first – 3		Very little trouble – 3	
Often, not just at first – 2		Moderate trouble – 2	
Most of the time – 1		Extreme difficulty – 1	
All of the time – 0		Impossible to do – 0	

5. For how long have you been able to walk before the pain in your hip becomes severe (with or without a walking aid)?	Score	11. Could you do the household shopping on your own?	Score
No pain for 30 minutes or more – 4		Yes, easily – 4	
10 to 30 minutes – 3		With little difficulty – 3	
5 to 15 minutes – 2		With moderate difficulty – 2	
Around the house only – 1		With extreme difficulty – 1	
Not at all – 0		No, impossible – 0	

6. Have you been able to climb a flight of stairs?	Score	12. How much has pain from your hip interfered with your usual work, including housework?	Score
Yes, easily – 4		Not at all – 4	
With little difficulty – 3		A little bit – 3	
With moderate difficulty – 2		Moderately – 2	
With extreme difficulty – 1		Greatly – 1	
No, impossible – 0		Totally – 0	

Total Score: _____ /48



Results

	THA = 29	HA = 36	p-Value
Gender	Female = 23 (79.3%) Male – 6 (20.7%)	Female = 25 (69.4%) Male = 11 (30.6%)	-
Mean Age at admission in years (SD)[95%CI]	70.34 (5.570) [68.23-72.46]	74.44 (4.736) [72.84 – 76.05]	0.002
ASA Grade (SD)[95%CI]	2.41 (0.733) [2.14 – 2.69]	2.75 (0.500) [2.58 – 2.92]	0.032
Side of fracture	Left = 16 (55.2%) Right = 13 (44.8%)	Left = 20 (55.5%) Right = 16 (44.5%)	-
Pre – op AMT score (SD)[95%CI]	9.97 (0.186) [9.89 - 10.04]	8.78 (2.789) [7.83 – 9.72]	0.026
Post – op 4AT score (SD)[95%CI]	0.28 (1.306) [-0.22 – 0.77]	0.46 (1.067) [0.09 – 0.82]	0.543
Mean operative time in Minutes (SD)[95%CI]	127.67 (10.3) [117.87 - 139.43]	113.66 (10.9) [106.21 - 174.92]	0.34
Mean time from admission to surgery in Hours (SD)[95%CI]	27.93 (13.06) [22.96 – 32.90]	27.02 (14.11) [22.24 – 31.79]	0.789
Length of hospital stay in Day (SD)[95%CI]	8.62 (3.959) [7.11 – 10.13]	10.17 (4.379) [8.69 – 11.65]	0.145
Reoperation	13 (44.8%)	7 (19.4%)	-
During the past 4 weeks..	THA- Mean (SD)[95%CI]	HA- Mean (SD) [95%CI]	p-Value
How would you describe the pain you usually had from your hip?	3 (1.336) [2.49 – 3.51]	3.6 (1.286) [2.62 – 3.49]	0.865
Have you had any trouble with washing and drying yourself (all over) because of your hip?	3.52 (1.122) [3.09 – 3.94]	3.42 (1.052) [3.06 – 3.77]	0.711
Have you had any trouble getting in and out of a car or using public transport because of your hip? (whichever you tend to use)	3.28 (1.222) [2.81 -3.74]	2.97 (1.424) [2.49 -3.45]	0.367
Have you been able to put on a pair of socks, stockings or tights?	3.28 (1.222) [2.81 -3.74]	3.22 (1.312) [2.78 – 3.67]	0.866
Could you do the household shopping on your own?	3.24 (1.455) [2.69 – 3.79]	3.08 (1.519) [2.57 – 3.60]	0.672
For how long have you been able to walk before pain from your hip becomes severe? (with or without a stick)	2.69 (1.628) [2.07 – 3.31]	2.50 (1.577) [1.97 – 3.03]	0.636
Have you been able to climb a flight of stairs?	3.14 (1.302) [2.64 – 3.63]	3.06 (1.413) [2.58 – 3.53]	0.810
After a meal (sat at a table), how painful has it been for you to stand up from a chair because of your hip?	3.17 (1.227) [2.71 – 3.64]	3.33 (1.042) [2.98 – 3.69]	0.569
Have you been limping when walking, because of your hip?	2.86 (1.663) [2.23 – 3.49]	3.03 (1.576) [2.49 – 3.56]	0.682
Have you had any sudden, severe pain - 'shooting', 'stabbing' or 'spasms' - from the affected hip?	3.52 (1.056) [3.12 – 3.92]	3.33 (1.242) [2.91 – 3.75]	0.529
How much has pain from your hip interfered with your usual work (including housework)?	3.28 (1.306) [2.78 – 3.77]	3.28 (1.344) [2.82 – [3.73]	0.855
Have you been troubled by pain from your hip in bed at night? Mean	3.24 (1.354) [2.73 – 3.76]	3.53 (1.134) [3.14 – 3.91]	0.357
Total Mean	38.69 (12.192) [34.05 – 43.33]	37.81 (11.588) [33.88 – 41.73]	0.766

Conclusion

Our study shows, that both THA and HA has scores that described patients has mild to moderate impairment, regardless of the operation they had after an acute neck of femur fracture. The results however did not show if there was a difference before and after surgery, and the Oxford hip score is based of patient perspectives.. This study can form a basis for further prospective studies, with larger sample size.