

Preserving Orthopaedic Surgery during the COVID-19 Pandemic and the Future



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Background

Elective orthopaedic services for North Glasgow

- Glasgow Royal Infirmary (GRI)
- New Stobhill Ambulatory Care Hospital (NSH)

Lower limb arthroplasty overall numbers 2019

GRI	n=586	THR/TKR/UKR
NSH	n=75	UKR

COVID Impact 2020

GRI	n=22	March – August
NSH	n=0	

Response

- Accelerated effort to launch NSH arthroplasty
- Adaptations made to ERAS pathways
- Aiming to minimize length of stay (LOS)

Objective

Presentation of early results of the initial cohort of lower limb arthroplasty patients undertaken @ NSH from September – December 2020

Method

Arthroplasty Rehabilitation In Scotland Endeavour (ARISE)

- Prospective collection of patient data
- Post op patient telephone questionnaire

Results

Lower Limb Arthroplasty cases @ NSH September- December 2020

- n=62
 - 26 Total Hip replacements (THR)
 - 18 Total Knee replacements (TKR)
 - 18 Unicompartmental Knee replacements (UKR)

Length of Stay

SAME DAY DISCHARGE 35%
DAY 1 DISCHARGE 89%
Mean LOS for 1.02 days

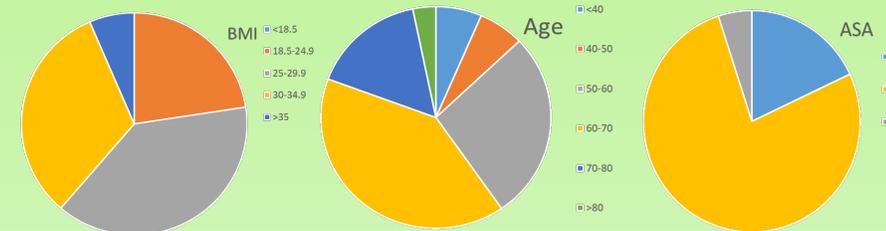
Discharge	THR (26)	TKR (18)	UKR (18)
Day 0	7	6	9
Day 1	17	9	7
Day 2	1	3	2
Day 3	1		
Mean LOS (days)	1.06	1.10	0.87
Median LOS (days)	1.09	1.21	0.71

Complications

- 63% reported constipation
- 42% reported nausea
- 2 patients (3.2%) attended hospital in the follow-up period
 - 1 for urinary retention secondary to constipation
 - 1 for minor injuries review after fall

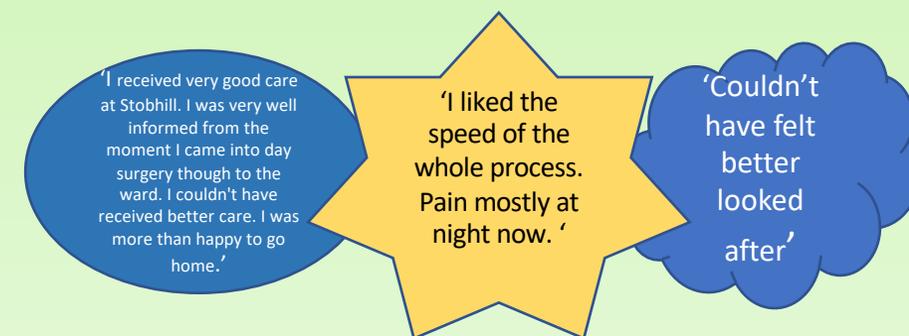
Patient Demographics

Mean age= 61 years
Mean BMI = 29



Patient Experience

97% of patients rated their care as 'Very Good'
93% of patients felt ready for home at time of discharge
Patient testimonials shown in Figure 2.



Conclusion

Recent pressures motivated the multidisciplinary team to accelerate progress on expanding the arthroplasty service to NSH. Successful safe continuation of surgery with a positive patient experience has been achieved. Development of this successful new service beyond the influence of the pandemic is anticipated