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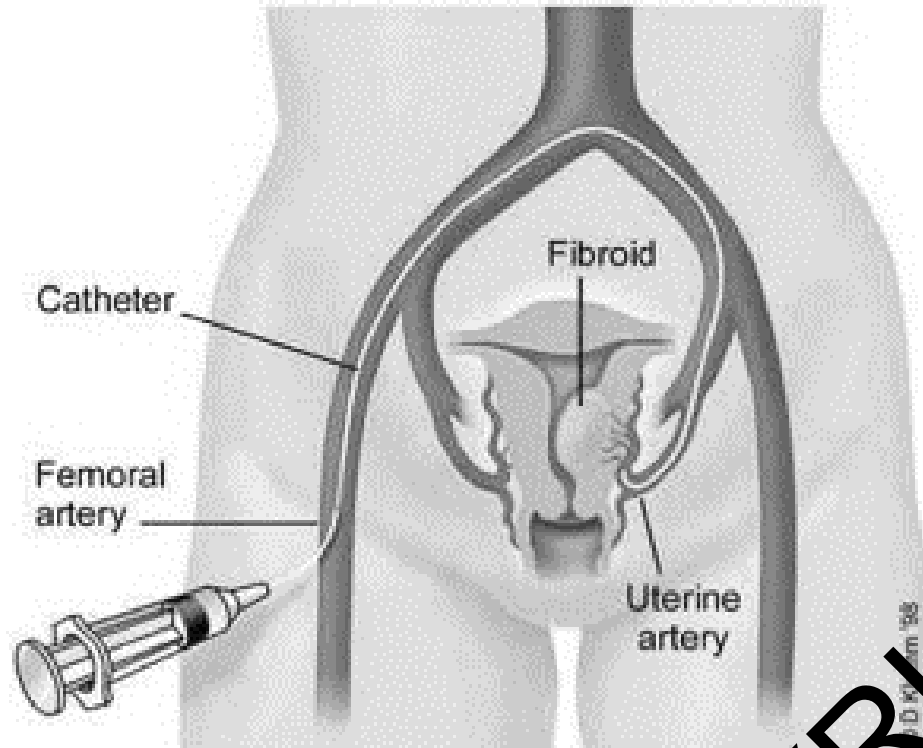
SURGICAL INTERVENTION POST UTERINE ARTERY EMBOLISATION FOR FIBROIDS

DR ATHENA GOULIMIS

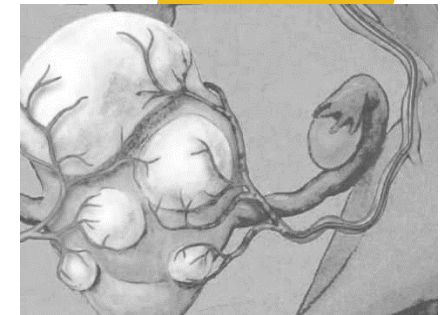
DR DEEPA NAIR, DR STEPHANIE BALOGUN, DR NAVA
SOKOLOVSKY,

MISS PRADNYA PISAL

Uterine Artery Embolisation (UAE) – What is it?



- Entry through femoral artery
- Embolisation of uterine artery
- Accepted alternative to hysterectomy for treatment of symptomatic fibroids
- Need for secondary hysterectomy is a recognised possibility



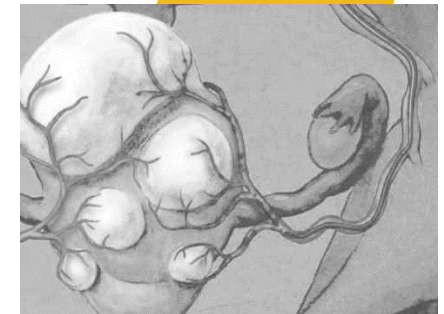
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UAE – OUR LOCAL EXPERIENCE

- Location: Barnet General Hospital, London UK
- 50-60 per year
- Experienced a cluster of emergency hysterectomies post UAE
- *Co-incidental cluster? Or indeed higher surgical intervention rate?*

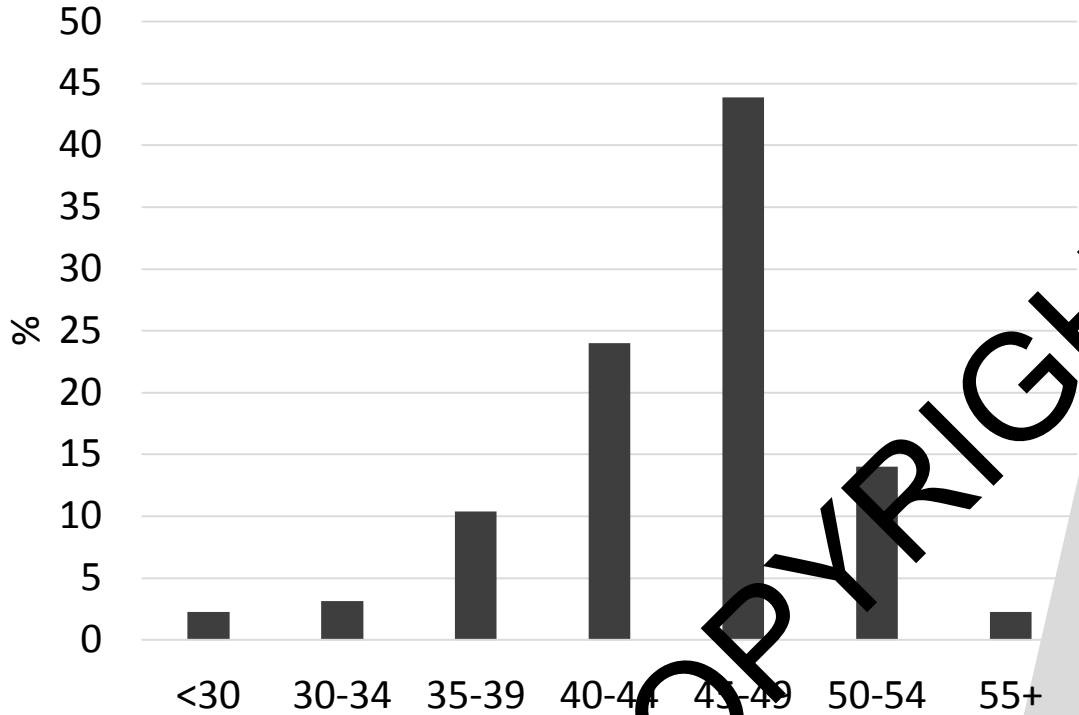
OUR STUDY:

- All UAEs over 4 years (Jan 2012 – Dec 2015)
- Further characterised all patients undergoing surgical treatment post UAE

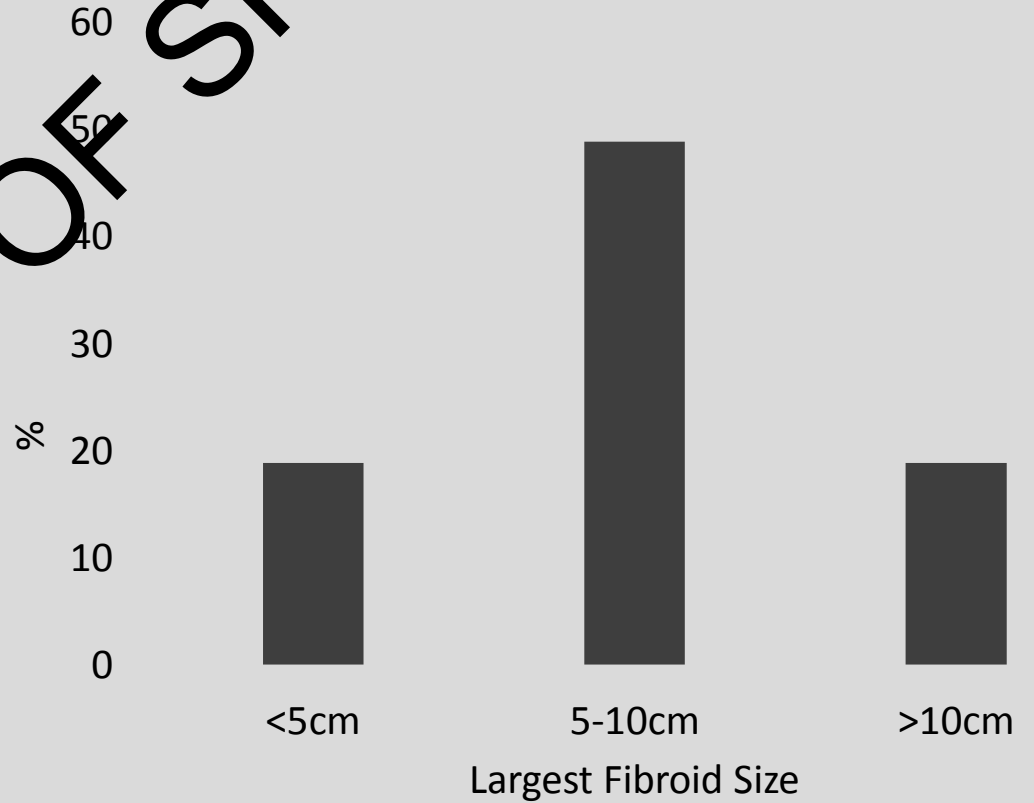


UAE – PATIENT DEMOGRAPHICS (n=210)

AGE

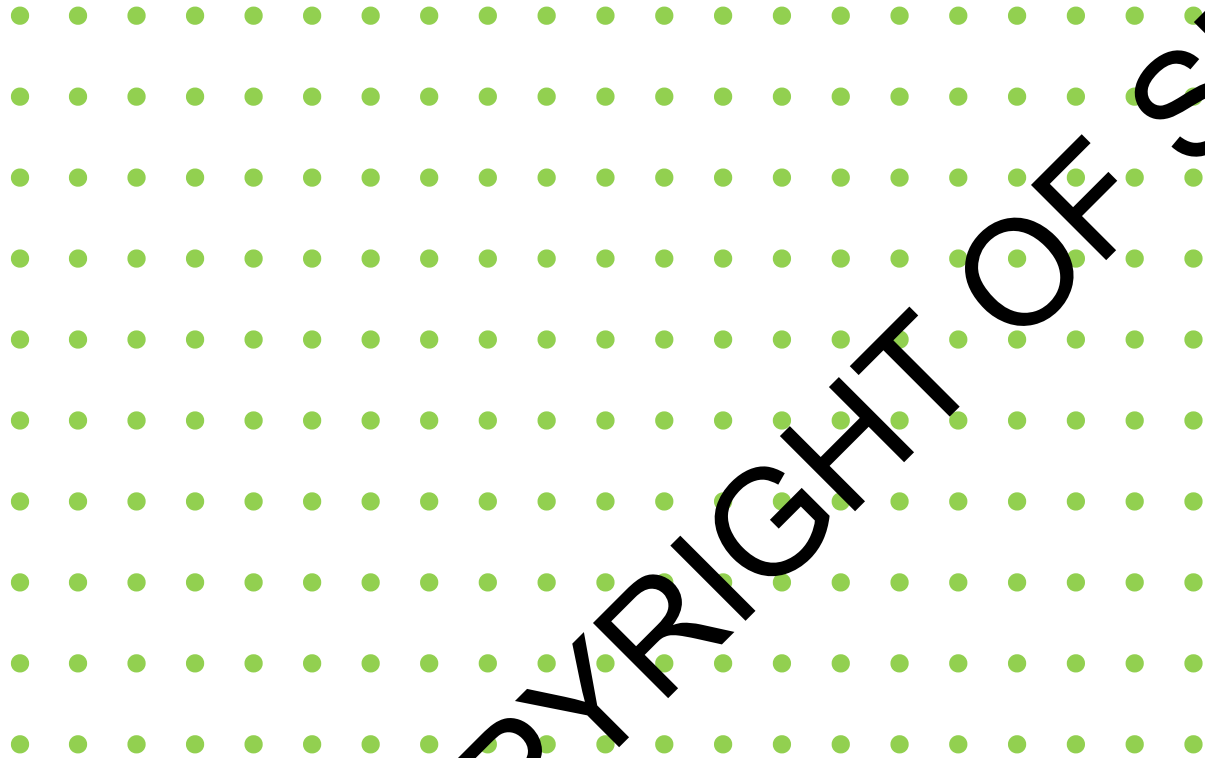


FIBROID SIZE



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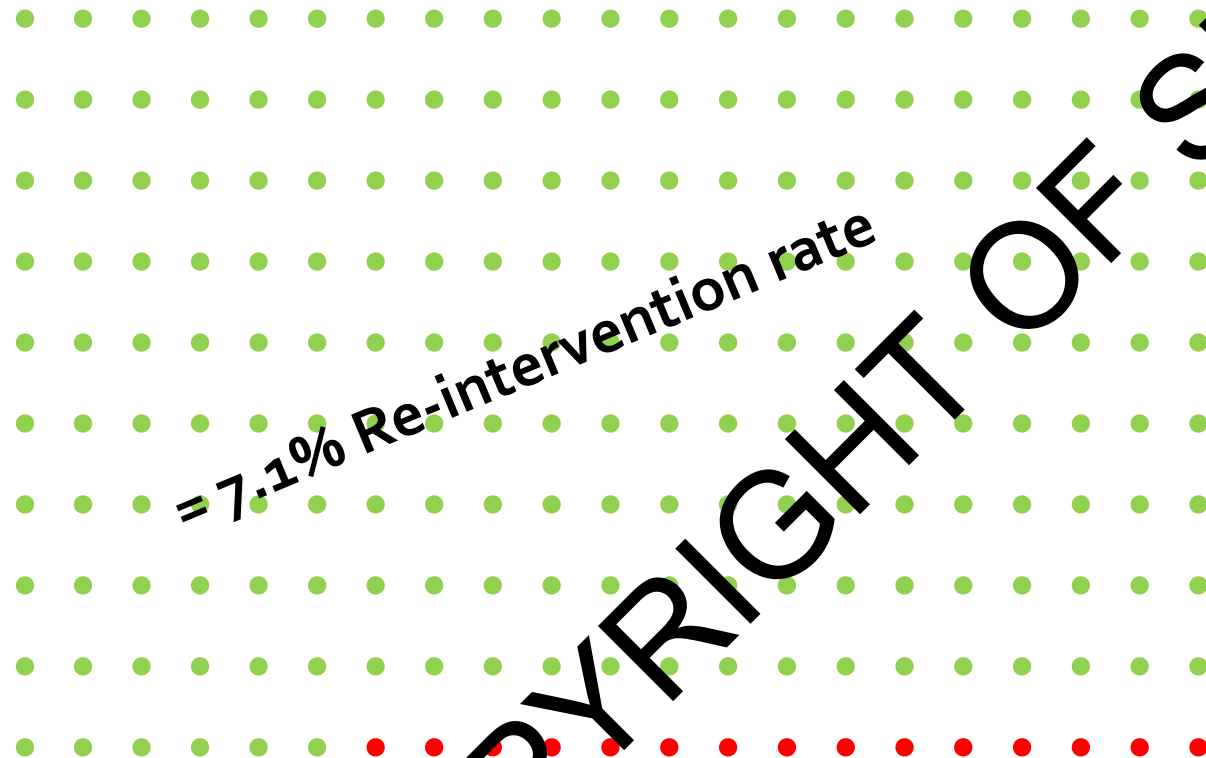
POST UAE – SURGICAL INTERVENTION RATE



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210 patients underwent
UAE over 4 years

POST UAE – SURGICAL INTERVENTION RATE



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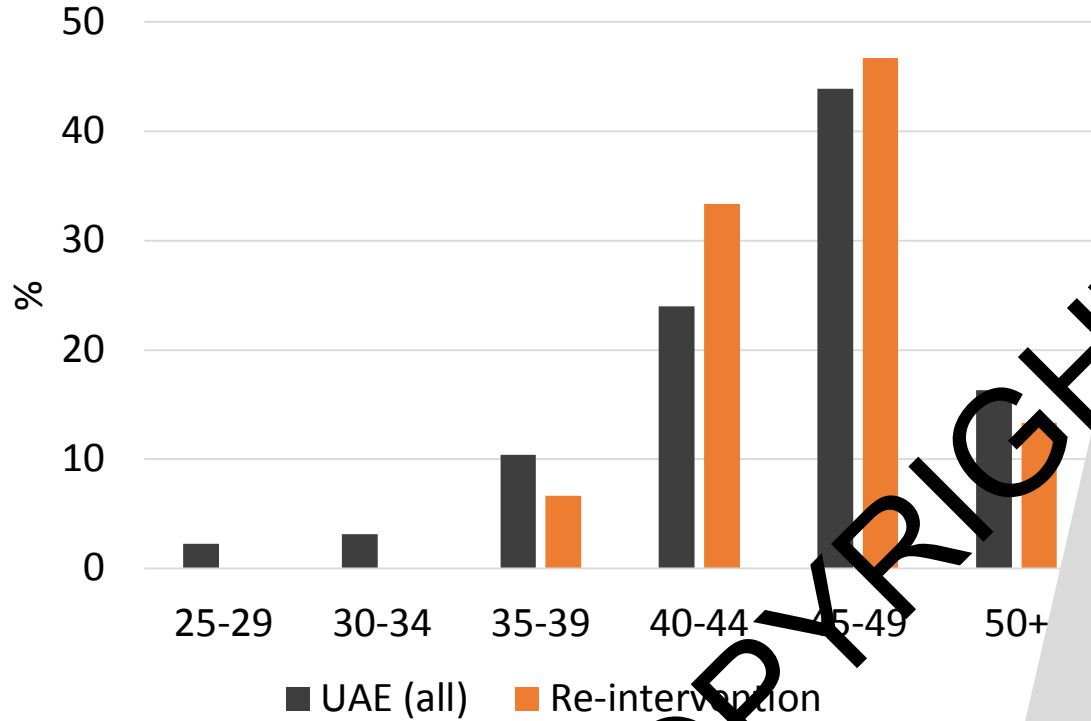
15 patients subsequently underwent surgical intervention

Patient Characteristics?

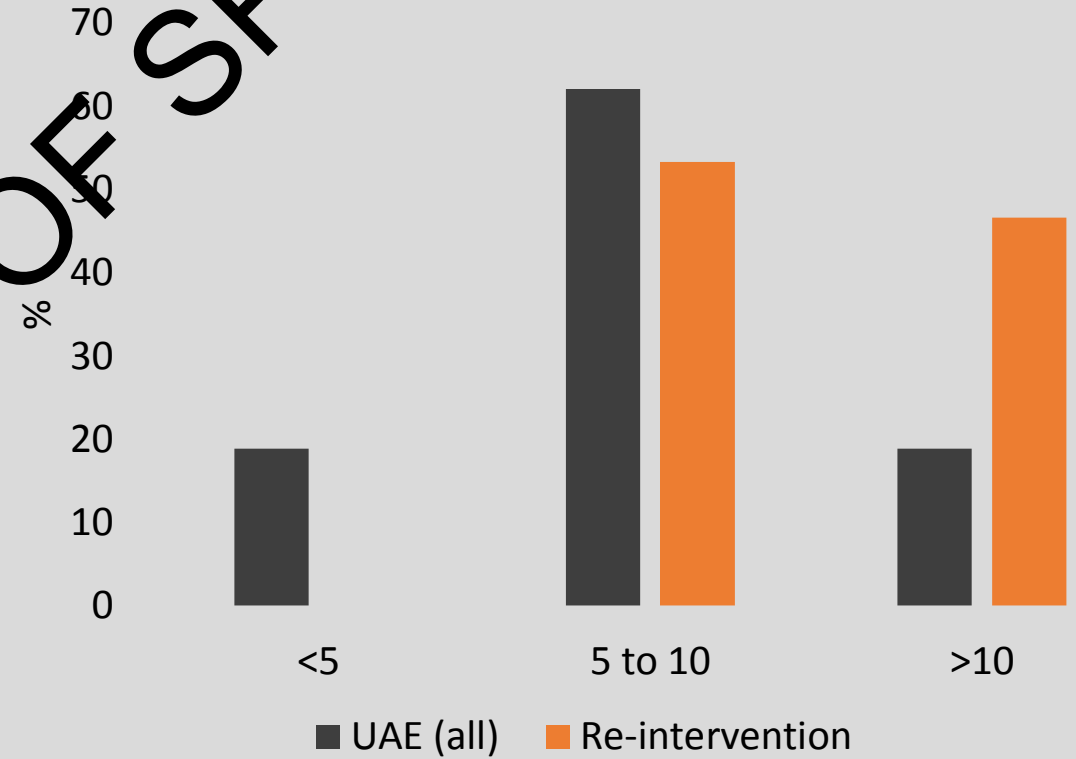
- Presenting symptoms
- Site and size of fibroids
- Co-existing adenomyosis
- Reason for further intervention
- Time interval between UAE and surgery

SURGICAL INTERVENTION- PATIENT DEMOGRAPHICS

AGE

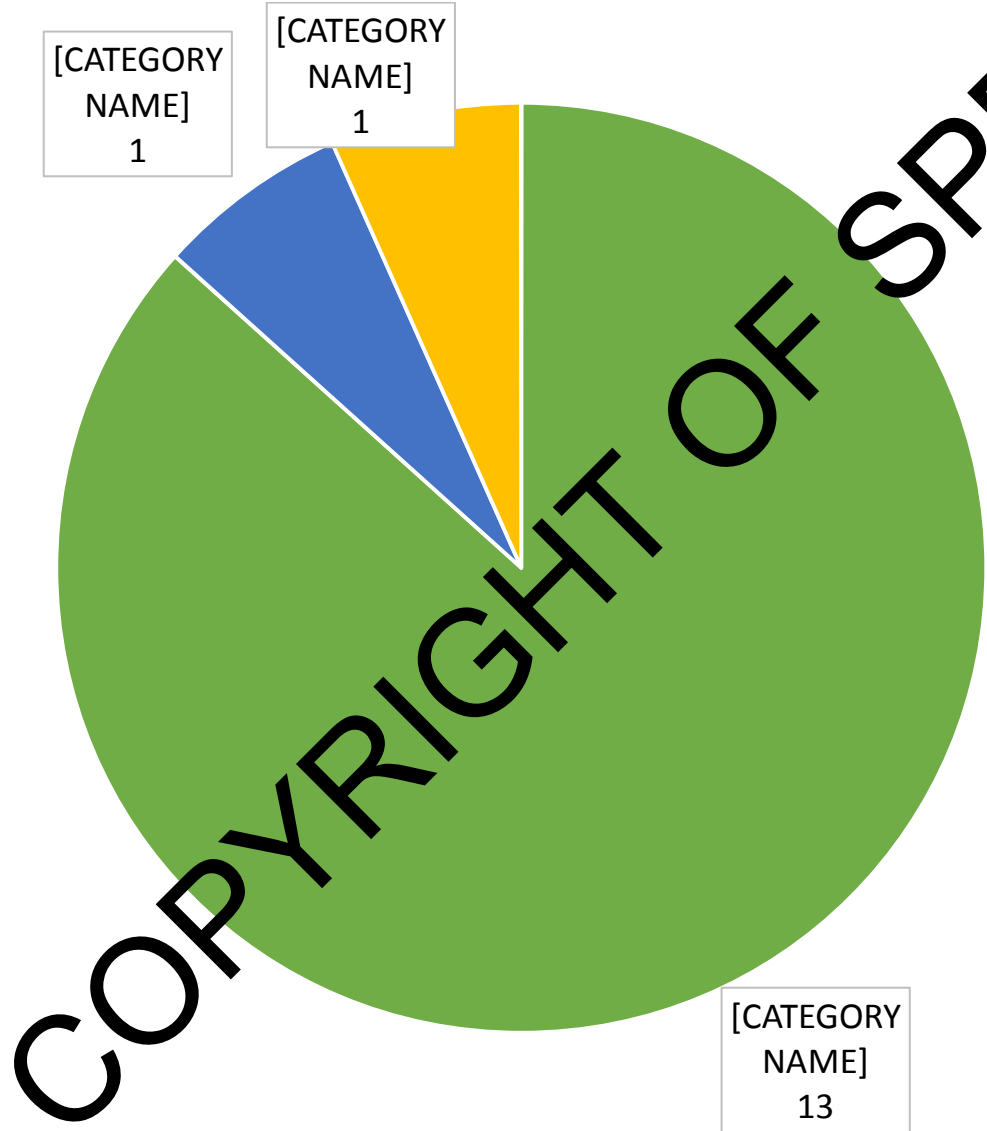


FIBROID SIZE



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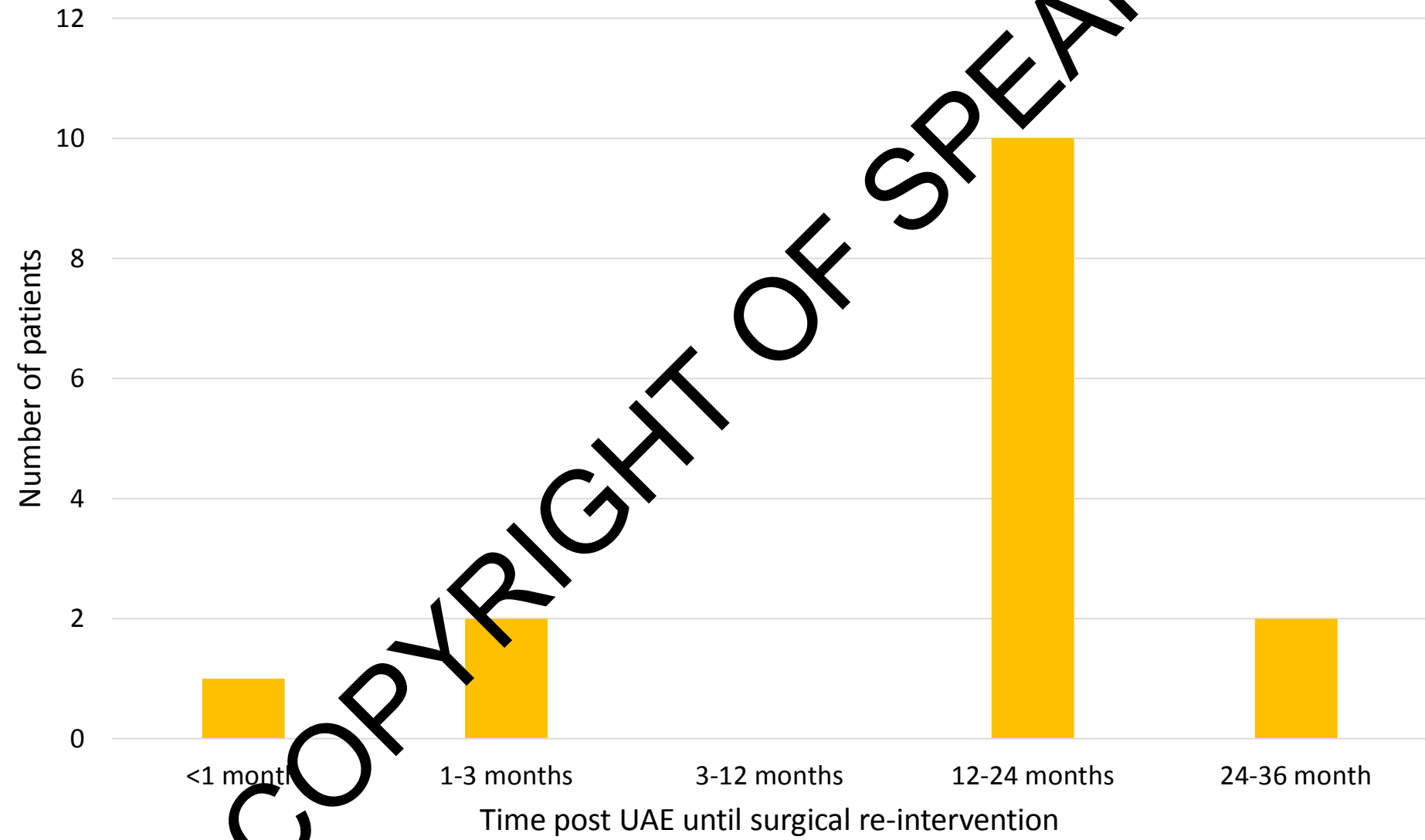
SURGICAL INTERVENTION – TYPE (n=15)



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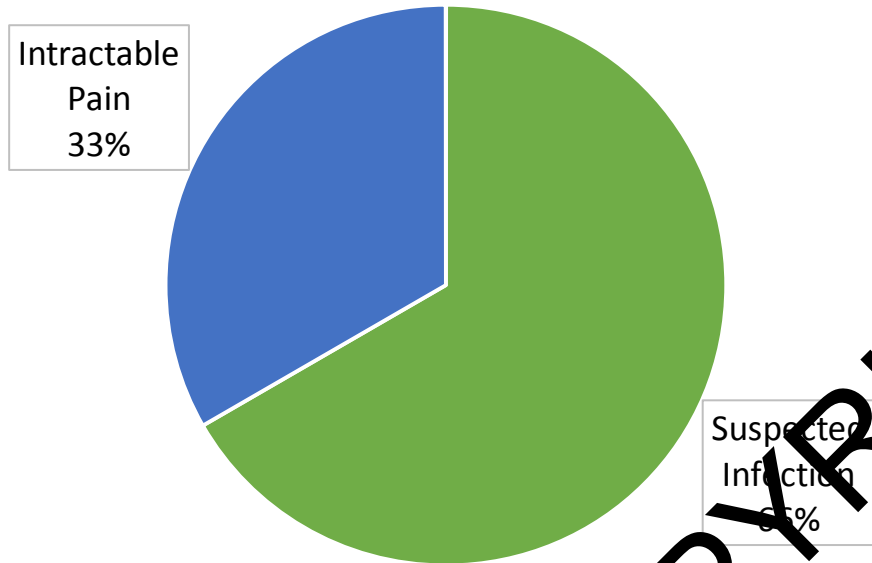
SURGICAL INTERVENTION- TIMESCALE



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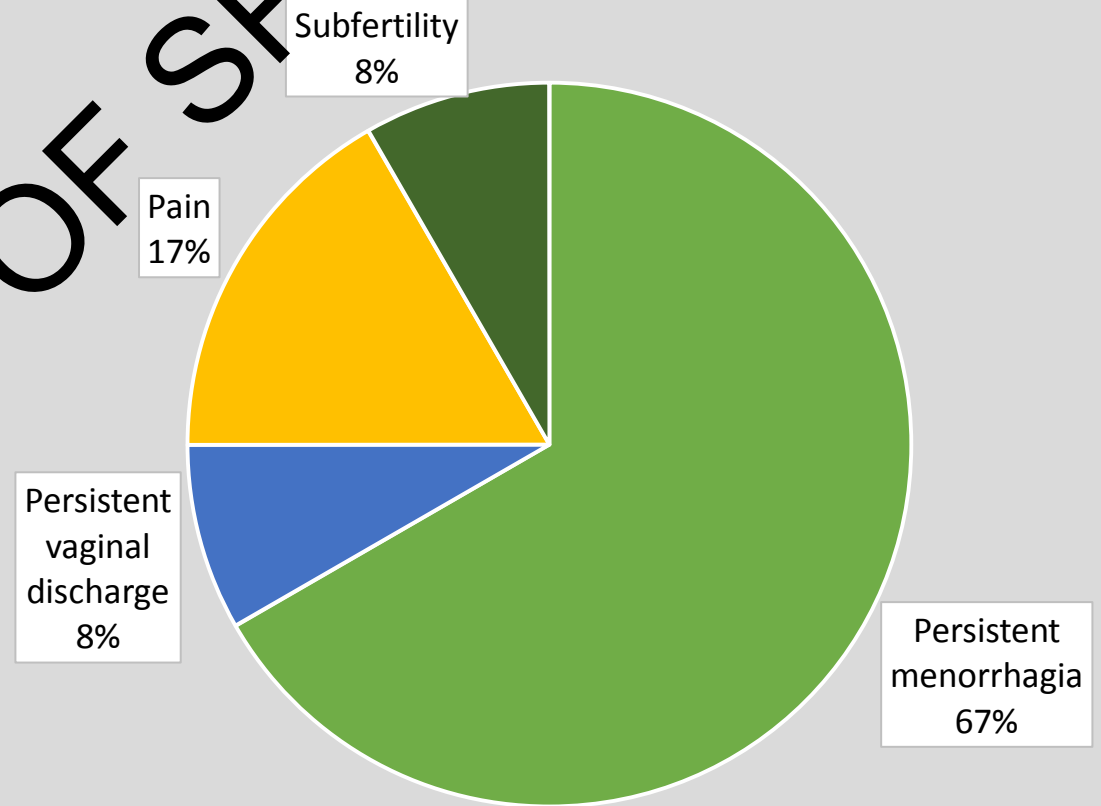
SURGICAL INTERVENTION- INDICATION

EMERGENCY



N=3

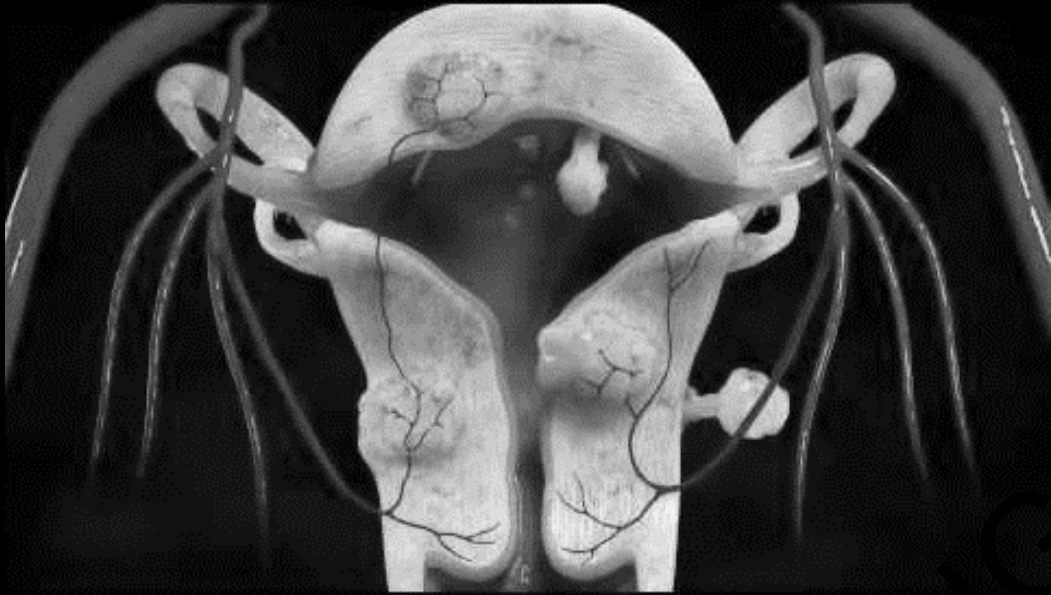
ELECTIVE



N=12

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CONCLUSIONS



1. Our rates of re-intervention (7%) compared favourably with the literature 14%³ – 30%⁴
2. Risk of requiring re-intervention post UAE is higher with larger fibroids
3. Adenomyosis did not increase this risk
4. Practical points:
 - **Although UAE is safe, patient selection and counselling are paramount due to the risk of requiring further surgical intervention.**

REFERENCES

1. Van Overhagen et al. Uterine Artery Embolisation for symptomatic leiomyomata *Cardiovasc Intervent Radiol* (2015) 38:536–542
2. Parthipun AA et al (2010) Does size really matter? Analysis of the effect of large fibroids and uterine volumes on complication rates of uterine artery embolization *Cardiovasc Interv Radiol* 33:955
3. Smeets AJ et al. (2010) Uterine artery embilzation in patients with a large fibroid burden:long-term clinical and MR follow-up. *Cardiovasc Interv Radiol* 33:943-948
4. Gupta et al. (2014) Uterine artery embolization for symptomatic uterine fibroids *Cochrane Database Syst Rev* 12:CD005073

Declaration of Interests: None

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