

Acceptability of MRI in clinical practice and research based on a survey of young people with JIA

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6TH NATIONAL ADOLESCENT RHEUMATOLOGY SYMPOSIUM

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Background

MRI is increasingly used in Juvenile Idiopathic Arthritis (JIA) but we don't know the views of **children & young people** with JIA on this test.

Our aim was to better understand

- their preferences on the **design** of MRI protocols
- when they think a scan is useful in their **treatment** journey
- if they **trust** MRI for their joint assessment
- if they are willing to participate in **research** involving MRI

Methods

- Online survey [Link](#) emailed to Your Rheum members
- Paper form  to UCLH outpatients
- Anonymous responses
- June - September 2021

Survey participants

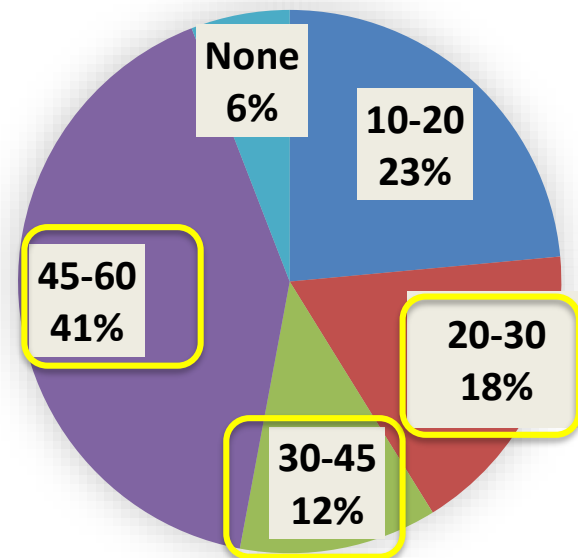
- 11 female and 6 male responded
- 12/17 online
- 8 hospitals
- Median age 17

Preferences on MRI design

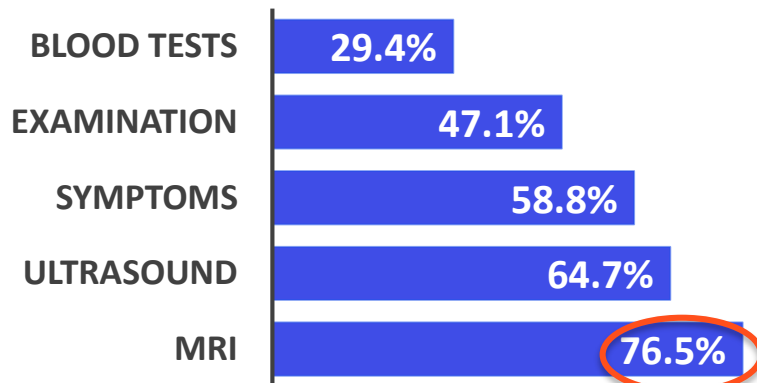
Joint selection for MRI	% participants
• Whole body	71%
• Symptomatic joint	23%
• Previously symptomatic joint	0%
• None	6%

82% agree to receive **contrast** ✓

Acceptable MRI scan duration (minutes),
% participants



Most trustworthy method of assessing joint inflammation, % young people with JIA



Treatment timepoint most useful to have MRI, % young people with JIA

Before starting	65%	←
Before stopping	65%	←
Same treatment	65%	←
After starting	35%	
Off treatment	29%	

Willingness to have MRI in research studies

- Serial scans to track changes **77%**
- Treatment change based on MRI **80%** (n=15)
- Being blinded to results **44%** (n=16)

Conclusion

Young people with JIA

- See MRI as a trustworthy test and useful for management
- Are willing to have MRI for research but want to know their results

Thank you for listening! 🎧

Acknowledgements

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