The Quality of Mitraclip Content on YouTube

Objective
YouTube is the second most visited site on the internet and a primary resource for many patients looking to gain healthcare knowledge. Recently, YouTube has made efforts to increase the quality of posted content by accrediting trusted healthcare sources on related videos. Having credible information online is pertinent since it often influences patients’ decisions when evaluating treatment options, such as the Mitraclip procedure. Mitraclip is a relatively new minimally invasive procedure that may be presented to Mitral Regurgitation patients who are high risk surgical candidates. With an increasing emphasis being placed on minimally invasive options, this study was done to investigate the quality of Mitraclip YouTube videos with respect to patient education.

Methods
YouTube was systematically searched using "Mitraclip" as the key word and filtering by view count. A total of 66 videos were evaluated, with 32 of those videos being included for final analysis after applying exclusionary criteria. Three independent reviewers separately scored the videos using the Global Quality Scale (GQS; 5= highest quality, 1= lowest quality). Video parameters such as duration, views, likes, dislikes, modality, days since upload and YT accreditation were recorded as well.

Results
Mitraclip videos on YouTube proved to be of medium to high quality, receiving an average GQS score of 3.39. However, of the 66 videos evaluated, 51.52% (34/66) were excluded, with the majority of those being duplicates of the same animation. When videos were stratified by the newly implemented YouTube accreditation process, those with accreditation had a significantly higher GQS score of 4.11, while non-accredited videos had an average GQS score of 3.12 (p<0.01). Shorter videos were also found to be of significantly lower quality. Videos under 5 minutes in length received an average GQS score of 2.84, while those longer than 5 minutes had an average GQS score of 3.88 (p<0.05).

Conclusion
The YouTube accreditation process has demonstrated initial success at regulating the quality of Mitraclip content, thereby reducing the spread of misinformation. However, this progress is undermined by the lack of unique videos currently present on the platform. Increasing the amount of original content about Mitraclip may allow viewers to diversify their education sources and ultimately gain a better understanding of the procedure.

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