

A Case Report Of A Flip Book To Improve Caregivers' Knowledge About Oral Health

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INTRODUCTION

- Research has demonstrated that educational interventions are effective in increasing caregivers' awareness of oral health issues and subsequently improve oral health.^{1,2}
- A study conducted in 2022 by Dinowitz et al at the department of Pediatric Dentistry at Rutgers School of Dental Medicine (RSDM)³ found that there was no significant difference in caregiver's knowledge in 17 of 18 anticipatory guidance topics after consequent visits including anticipatory guidance.
- Findings suggested that systematic presentation of oral health education could potentially improve provider-patient communication where all critical oral health topics are addressed at new patient and recall appointments.

OBJECTIVE

- To create the first iteration of a flip book to standardize the oral health information presented to RSDM Pediatric Dentistry patients' caregivers by dental students and pediatric dental residents.

METHODS

- We studied the recommendations by Dinowitz et al regarding topics that should be further explained to caregivers. We also evaluated the available evidence-based recommendations for anticipatory guidance and counseling by the American Academy of Pediatric Dentistry in 2023-2024. We used a grounded theory approach to identify major topics that would serve as the backbone of the flip book. Then, we stratified each of the major topics from both sources into development stage-based standardized scripts to be used by the residents and students.

RESULTS

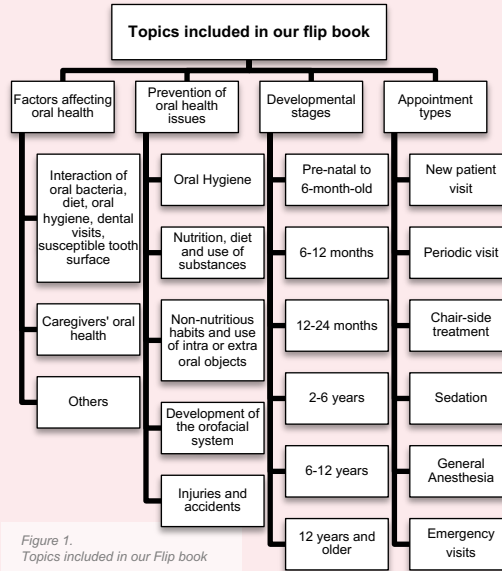


Figure 1.
Topics included in our Flip book

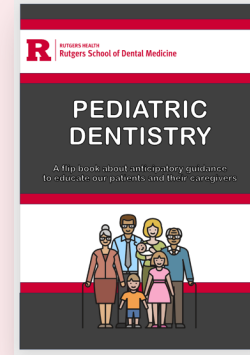


Image 1.
Cover of our Flip book

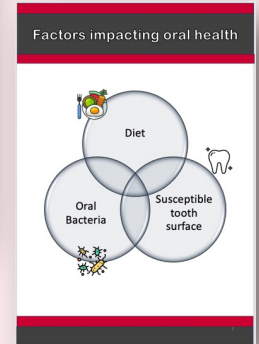


Image 2.
Venn diagram summarizing the factors impacting oral health

Examples of the design followed in the first iteration of our flip book

DISCUSSION AND CONCLUSION

- There is a plethora of anticipatory guidance information that needs to be provided at each visit to patients' caregivers.
- Next steps in our research include:
 - Translating our flip book to languages our patient community understands besides English such as Spanish, Arabic, Portuguese, Mandarin, Cantonese, Yiddish, French, Haitian Creole, among others.
 - Generate flipbooks for different end-users, including patients with special needs, pregnant women, pediatricians (to be used for their medical patients), school nurses and school teachers.

References

Please scan the QR code with your phone's camera to review our references:

