# Dr. Co-Pilot (Panda)

## Pediatric AI Navigation & Decision Assistant

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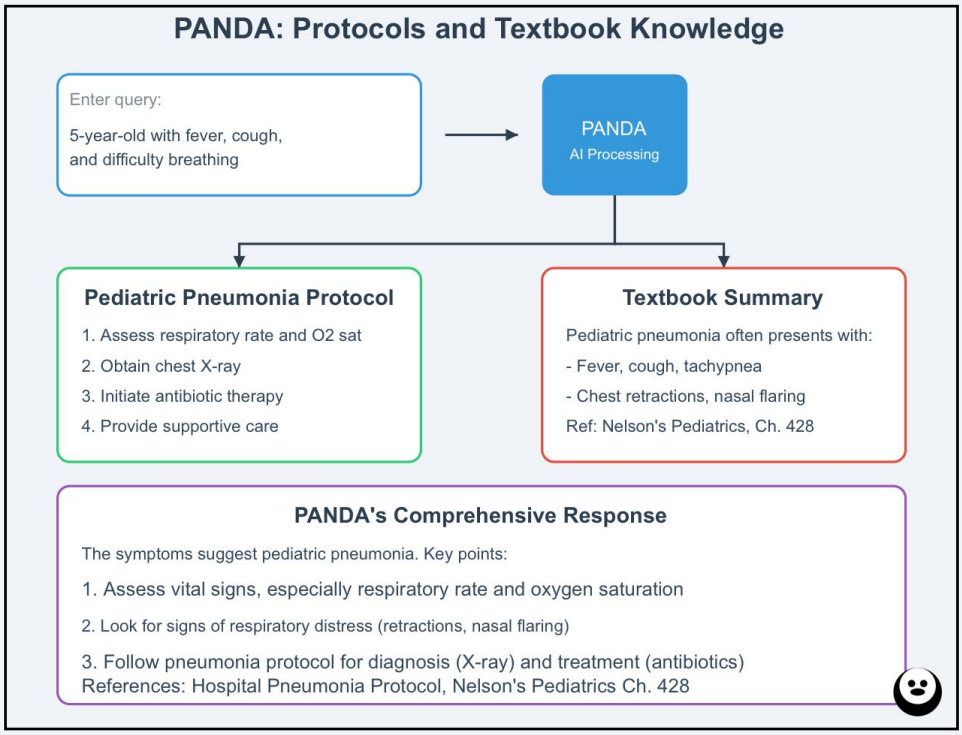


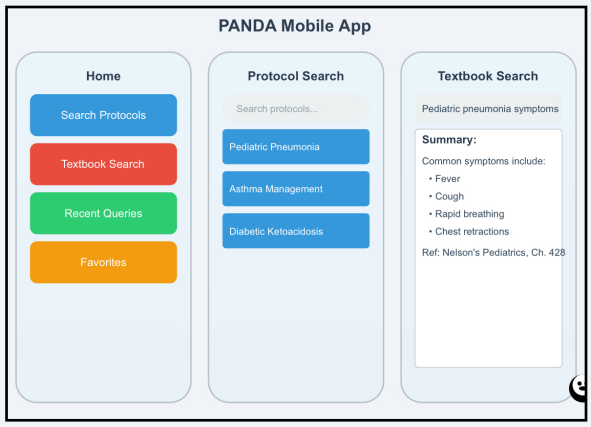


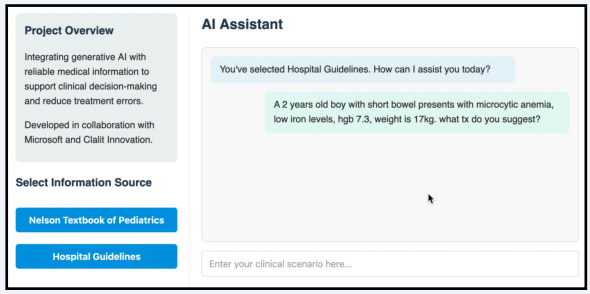


**Background:** AI tools are expanding into medicine, enhancing patient care. Access to information systems based on professional literature, local protocols, and clinical guidelines is crucial. Our medical center has over 550 specialized treatment protocols, but accessing and navigating them requires skill, caution, and time.

**Objective:** Make extensive pediatric knowledge accessible as a quick decision-support tool and alert clinicians to deviations from treatment guidelines.

**Method:** Utilizing Generative AI, we developed a prototype, "Dr. Co-Pilot," for enhancing access to relevant medical information and identifying deviations from treatment protocols.

**Results:** The system provides accessible information based on textual descriptions of clinical problems, including organizing, filtering, and making local protocols, clinical guidelines, and pediatric literature readily available to clinicians. Rigorous validation through expert review ensured its reliability.

**Conclusion:** Dr. Co-Pilot is an innovative support system that provides rapid access to medical knowledge for treatment decision-makers. It also alerts for potential errors in pediatric treatment protocols. The prototype demonstrates the efficacy of AI in delivering relevant medical information, precise references, and identifying deviations from protocols.

### How it works?

- Generative AI answers clinical questions in free text.
- Access predefined medical resources.
- Provides user with specific reference.
- Detects and corrects potential errors