



About Ultrasound Documentation and Reporting System

UDRS (Ultrasound Documentation and Reporting System) represents a sophisticated solution designed specifically for enhancing ultrasound examinations within healthcare environments, particularly focusing on obstetric and gynecological procedures. Developed in collaboration with the National University Hospital of Singapore, this system offers comprehensive functionalities tailored to streamline the process of scanning patients, documenting exam findings, and capturing crucial images.

Key Features and Components:

Purpose-built for Obstetrics and Gynecology:

UDRS is specialized to cater specifically to obstetric and gynecological examinations. It facilitates detailed documentation and reporting throughout various stages of pregnancy, ensuring thorough monitoring and analysis.

Technological Framework:

Developed using the Dot Net Framework with Visual Basic, UDRS utilizes Oracle as its robust backend database. This ensures a stable and scalable architecture capable of handling large volumes of patient data securely.

Imaging Capabilities:

The system integrates a sophisticated imaging method employing a Frame Grabber, strategically installed across 6 PCs utilized by sonographers during patient examinations. This setup enables real-time image capture and enhances the quality and accuracy of diagnostic imaging.

Comprehensive Forms for Obstetrics:

UDRS features a comprehensive suite of forms specifically designed for obstetric examinations. These forms are meticulously crafted to capture and document each critical stage of pregnancy, ranging from Early Pregnancy assessments to Fetal Anomaly Scans. This structured approach ensures that every aspect of patient care is meticulously recorded and accessible for clinical decision-making.

Benefits and Impact:

Enhanced Patient Care: By facilitating detailed documentation and precise image capture, UDRS supports healthcare providers in delivering high-quality care to obstetric and gynecological patients.

Efficiency and Accuracy: The system's structured approach minimizes errors and enhances workflow efficiency, allowing sonographers and healthcare professionals to focus more on patient care and less on administrative tasks.

Data Accessibility and Integration: With Oracle as the backend, UDRS ensures secure storage, easy retrieval, and seamless integration of patient data with existing hospital information systems, promoting continuity of care and interdisciplinary collaboration.

Conclusion:

UDRS exemplifies a cutting-edge approach to ultrasound documentation and reporting, tailored to meet the specific needs of obstetric and gynecological practices. Developed through collaboration with a leading healthcare institution, its robust technological framework and comprehensive features empower healthcare providers to deliver optimal care and outcomes for patients undergoing ultrasound examinations.

By showcasing these features and benefits on your company website, stakeholders and potential users can gain a clear understanding of how UDRS can enhance clinical practice and patient outcomes within their healthcare setting.

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