Determination Of Criminal Law In The Medical Committee with Artificial Intelligence Supervision Achieves Improvement of the Quality of Doctors at Hospital X in Bekasi City

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Abstract: Hospitals, as health institutions, are required to continuously improve service quality, including the quality of medical personnel. The Medical Committee serves as an internal body responsible for professional control, including credentialing, performance evaluation, and the enforcement of ethics and discipline. However, challenges in the execution of these roles demand a more objective, accurate, and fast oversight mechanism. Artificial Intelligence (AI) is emerging as a technological solution capable of detecting deviations in medical practice in real time. This research employs a qualitative-retrospective approach at RS X in Bekasi to analyze the implementation of the Medical Committee's duties and the impact of AI-based monitoring on improving doctors' quality. Findings reveal weaknesses in credentialing systems and competency evaluations, as well as incomplete medical documentation that endangers patient safety. The integration of AI proved effective in enhancing professional evaluation systems and reporting. The study recommends implementing AI alongside the reinforcement of criminal law regulations in the medical field to ensure accountability and quality in healthcare services.
Keywords: Artificial Intelligence, Health Law, Criminal

INTRODUCTIONS

Hospital is an institution with complex services and full health risks, especially in the era of dynamic globalization. In the midst of demands for improving quality service health, professionalism power medical has become a main pillar of success in the House sick. The quality of energy medical Not only depends on individual skills but also on the system internal house management, one of the illnesses run by the Committee Medical.

Committee Medical play a role important in maintaining and improving quality service medical through mechanism credentials , evaluation performance sustainable (OPPE and FPPE), as well as enforcement ethics and discipline profession . However, in practice, various House Sick Still face challenges in implementation task committee said , starting from overlapping authority , weakness control internal quality, up to lack of documentation and coordination between work units .

As effort transformation more internal oversight effective and objective , the use of Artificial Intelligence (AI) in the system supervision medical start glanced at as future solutions . AI offers ability For process data fast , detect anomalies in practice clinical in real-time, as well as compile report accurate without intervention subjective man .

This research raises context at RS X, Bekasi City, which experienced dynamics in implementation function Committee Medical , especially in the credentialing process, ethical

audits , and reporting. record medical . In practice , it was found existence delay filling record medical , incomplete informed consent, low compliance to clinical pathways, as well as discipline time services that are not yet ideal. This situation gives rise to urgency For strengthen system supervision , including through approach technology .

also important to note that in the aspect law , supervision to power medical must supported by clear and firm regulations . Therefore that , integration between system law criminal , function Committee Medical , and supervision AI -based becomes theme main issue in this study . The goal is realize improvement quality professional , transparent and responsible doctor services answer for safety patient .

This research aims For describe in a way comprehensive implementation task Committee Medics at Hospital X, identify the obstacles faced , as well as evaluate effectiveness supervision AI -based in driving improvement quality of doctors. Research also seeks answer challenges in implementation principle law criminal law in the sector health in a way more proportional , especially in terms of violation ethics and discipline profession medical . With Thus , integration law , technology and governance clinical become key to building system service superior and powerful medical competition tall.

RESEARCH METHODS

This research uses method qualitative retrospective with approach studies case at Hospital X, Bekasi City. This approach was chosen For explore in a way deep How implementation function Committee Medical in improving quality of doctors and the extent of integration of AI and law criminal play role in supervision and enforcement professionalism of medical.

Location and Time of Research

Study carried out at Hospital X, Bekasi City, during period February until March 2025.

Population and Sample

Population study covers Chairman Committee Medic , member Committee Medical , sub-committee chairman (Credentials , Quality, Ethics and Discipline), secretary Committee Medical, hospital director, head field medical and supporting , as well as representative staff medical and patient. Purposive sampling technique was used For choose relevant samples with Topic research , with total number of 12 informants.

Instruments and Data Collection

Instrument main is guide interview in-depth interviews were used For dig information in a way comprehensive from the informants. In addition, it was carried out observation to activity House sick and study documentation (recording) medical, report evaluation quality, internal audit results, and indicator data service medical).

Data triangulation was performed For increase credibility results research, namely with compare results interviews, observations, and documentation. Data validity is tested through technique extension observation , discussion with Friend peers, and credibility testing through triangulation source.

Data Analysis Techniques

Data analysis was performed with approach thematic , started from the transcription process, data reduction, compilation category, up to withdrawal conclusion. Every interview analyzed in a way systematic For identify relevant patterns, including connection between implementation task Committee Medical, effectiveness supervision AI -based, as well as fulfillment standard quality doctor's services.

Scope analysis covers input indicators (organization , human resources, and human resource competencies), as well as indicator implementation (relationship) with patients and

implementation service medical). Quantitative data like chart results questionnaire and level compliance to standards are also used complement in the compilation findings.

This approach is expected to provide description comprehensive about factors that influence quality service medical at Hospital X, as well as the role of AI and empowerment law criminal offense in creating system effective and accountable supervision.

RESULTS AND DISCUSSION

Study find that implementation function Committee Medical at Hospital X not yet running optimally. Some indicator show low compliance to procedures, lack of coordination between units, and the weakness supervision to practice power medical.

On the aspect structure organization, although Committee Medic has been formed formally in accordance with PMK No. 755 of 2011, some big member committee and staff medical No understand with Good duties and responsibilities answer each. Subcommittee Ethics and Discipline, as well as Subcommittee Credentials, not yet carry out evaluation in a way comprehensive. Questionnaire results show only 50% of Sub Focus I indicators that meet standard.

In terms of credentialization staff medical, some doctor recruitment processes are not through procedure Committee Medical. Some doctors directly placed by management without evaluation adequate credentials. This has the potential lower quality service and endanger safety patient. Non-compliance to channel credentials happen Because pressure the need for doctors by management and limitations time committee.

Evaluation competence through OPPE and FPPE also not yet walk consistent . Many doctors have not evaluated in a way periodic based on record footsteps clinical. Lack of objective data hinder process evaluation clinical based on evidence . Disorder filling record medical is also very high , with level incompleteness reaching 78% by July 2024.

Aspect discipline and ethics also show weaknesses. Interview show the presence of a doctor who is not present appropriate time, and time poor service from standard 15 minutes. In fact, according to KMK No. 129 of 2008, the service must adequate and communicative. AI is very much needed in this situation , because capable detect absence, time service, up to pattern writing prescription and compliance to clinical pathways.

From the side technology , the use of AI is starting under consideration For monitor practice clinical , detecting violations, and provide real-time alerts to the committee. For example, AI can track the input of recorded data medical and provide notification If found pattern filling No complete or not in accordance with clinical pathway. The use of AI has proven to be very potential in supporting implementation professional credentials , evaluations, and audits.

However Thus , the application of AI must be accompanied by with strengthening aspect law, in particular law criminal medical. AI only functioning as tool detector, while enforcement ethics and discipline still need instrument strict law. In the case of happen violation dangerous ethics patient, need mechanism law criminal as sanctions lastly to provide effect deterrent and guarantee justice.

The findings also show that indicator satisfaction patient to doctor services are already high (≥ 98%). However , this needs to be responded to in a way be wise not to cover fact existence violations in aspects documentation and management clinical.

CONCLUSION

From the results research , it can be concluded that implementation function Committee Medical at Hospital X, Bekasi City is still face various challenge significant impact quality doctor's services . Although in a way the structure has been formed in accordance provision legislation , its implementation Not yet fully effective and consistent.

First , still found shortcomings in the credentialization process power medical . Several doctors were recruited without comprehensive evaluation , so that No through the assessment process standard related competence , ethics , and authority clinical . This is debilitating principles of governance clinical that should be ensure only power competent medical personnel may give service medical .

Second , documentation medical show number high incompleteness , both in filling record medical , informed consent, and summary go home . This is not only reflect weakness not quite enough answer professional , but also potential become findings law when happen incident safety patients . Lack of evaluation and supervision routinely become reason main this condition.

Third , the aspect discipline time and communication between doctors and patient Not yet in accordance standard . Many doctors serve patient in time not enough from 10 minutes , and not yet fully apply communication effective in accordance ethics medicine.

Fourth, utilization Artificial Intelligence (AI) technology offers potential big For strengthen function medical monitoring and auditing. AI can provide notification early to data mismatch , monitoring time services , as well as evaluate pattern doctor's practice . With Thus, AI plays a role as tool help in maintaining quality service medical in real-time.

Fifth , integration between system supervision AI -based and enforcement law criminal become approach strategic in creating accountable and safety - oriented system patients . AI can detect violation, while law criminal on duty give effect deterrent for power medical violation code ethics or causes loss patient.

With combination approach technology, management , and law , improvement quality of doctors can be achieved in a significant way. However this requires commitment from all element House sick : management, Committee Medical, manpower medical, as well as support regulations and policies government. Awareness together to importance professionalism and accountability become key success repair system service medical in the future.

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