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Abstract—The purpose of this study was to determine if there were differences in the prevalence of musculoskeletal disorders between two groups of nurses working in different departments of a hospital. The sample consisted of 100 nurses from the Intensive Care Unit (ICU) and 100 nurses from the General Ward. Data were collected through a self-administered questionnaire. Results showed that the prevalence of musculoskeletal disorders was higher among ICU nurses than among General Ward nurses. This finding suggests that the physical demands of ICU nursing are more likely to contribute to musculoskeletal problems.

$\frac{1}{2}$ $\frac{1}{2}$

1. *Chlorophyll a* (Chl *a*)

$\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{4}$

[illegible]

For the purpose of this study, the following hypotheses were formulated:

The authors are grateful to Dr. J. W. Smith for his helpful comments on the manuscript. The authors also thank Dr. R. A. Johnson for his assistance in the preparation of the manuscript.

APPLICABILITY OF THE FRACTIONAL KALMAN FILTER

The numerical solution of the system of differential equations (1) is obtained by the Runge-Kutta method. The numerical solution of the system of equations (2) is obtained by the Runge-Kutta method. The numerical solution of the system of equations (3) is obtained by the Runge-Kutta method. The numerical solution of the system of equations (4) is obtained by the Runge-Kutta method. The numerical solution of the system of equations (5) is obtained by the Runge-Kutta method.

The numerical solution of the system of equations (6) is obtained by the Runge-Kutta method. The numerical solution of the system of equations (7) is obtained by the Runge-Kutta method. The numerical solution of the system of equations (8) is obtained by the Runge-Kutta method.

NUMERICAL RESULTS AND DISCUSSION

The numerical results are presented in Table 1. The numerical results are presented in Table 2. The numerical results are presented in Table 3. The numerical results are presented in Table 4. The numerical results are presented in Table 5.

CONCLUSIONS

The numerical results show that the fractional Kalman filter is applicable to the system of equations (1) and (2). The numerical results show that the fractional Kalman filter is applicable to the system of equations (3) and (4). The numerical results show that the fractional Kalman filter is applicable to the system of equations (5) and (6).

REFERENCES

1. J. K. Kalman, "A New Approach to Linear Filtering and Prediction Problems," *Journal of the American Society of Mechanical Engineers*, vol. 82, pp. 35-45, 1960.

APPENDIX A: DEFINITIONS

The definitions of the terms used in this paper are given in Appendix A. The definitions of the terms used in this paper are given in Appendix A. The definitions of the terms used in this paper are given in Appendix A. The definitions of the terms used in this paper are given in Appendix A.

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... .. 7th ... February, 1995.

John Strapp

LAURA D. TODZIA

LAURA D. TODZIA, a resident of the State of Florida, is a member of the Florida Bar and is duly qualified to practice law in the State of Florida. She is a member of the American Bar Association and the Florida Bar Association. She is a member of the Florida Judicial Branch and the Florida Bar Association. She is a member of the Florida Judicial Branch and the Florida Bar Association. She is a member of the Florida Judicial Branch and the Florida Bar Association.

4-17-97

7th February, 1997



OFFICIAL SEAL
LAURA D. TODZIA
My Commission Expires
April 17, 1997
Comm. No. CC 268801

Laura D. Todzia

4-17-97

(ID Personally Known - 5 years)

7th February

John Strapp

CERTIFICATE DESIGNATING PLACE OF BUSINESS OR DOMICILE FOR THE SERVICE OF PROCESS WITHIN FLORIDA, NAMING AGENT UPON WHOM PROCESS MAY BE SERVED

IN COMPLIANCE WITH SECTION 607.325, FLORIDA STATUTES, THE FOLLOWING IS SUBMITTED:

FIRST THAT SOUTHERN FASTNERS INC.
(Name of Corporation)

WITH ITS PLACE OF BUSINESS AT 4375 SW Country Place Rd., Palm City, FL 34990
(Business Address, City and State)

HAS NAMED Lynn S. Trappy
(Name of Registered Agent)

LOCATED AT 4375 SW Country Place Rd.,
(Street Address and Number Of Building,
Post Office Box Addresses ARE NOT Acceptable)

CITY OF Palm City, STATE OF FLORIDA, AS ITS AGENT TO ACCEPT SERVICE
(City)
OF PROCESS WITHIN FLORIDA.

SIGNATURE

Lynn S. Trappy
(Corporate Officer)

TITLE PRESIDENT

DATE

2-7-95

HAVING BEEN NAMED TO ACCEPT SERVICE OF PROCESS FOR THE ABOVE STATED CORPORATION, AT THE PLACE DESIGNATED IN THIS CERTIFICATE, I HEREBY AGREE TO ACT IN THIS CAPACITY, AND I FURTHER AGREE TO COMPLY WITH THE PROVISIONS OF ALL STATUTES RELATIVE TO THE PROPER AND COMPLETE PERFORMANCE OF MY DUTIES, AND I ACCEPT THE DUTIES AND OBLIGATIONS OF SECTION 607.325 FLORIDA STATUTES

SIGNATURE

Lynn S. Trappy
(REGISTERED AGENT)

DATE

2-7-95

BUREAU OF CORPORATE RECORDS, P.O. BOX 6327, TALLAHASSEE, FL 32314

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