

1-1-2011

Evaluating the implementation of a warfarin specific medication chart in residential aged care facilities

Margaret Jordan

University of Wollongong, mjordan@uow.edu.au

Judy Mullan

University of Wollongong, jmullan@uow.edu.au

Victoria Traynor

University of Wollongong, vtraynor@uow.edu.au

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Citation

Jordan, Margaret; Mullan, Judy; and Traynor, Victoria, 2011, Evaluating the implementation of a warfarin specific medication chart in residential aged care facilities, 125-125.

<https://ro.uow.edu.au/medpapers/73>

Evaluating the implementation of a warfarin specific medication chart in residential aged care facilities

Abstract

The possibility of a warfarin-specific medication chart that could serve as a prescription, monitoring and administration record for residents in aged care facilities evolved from a previous study conducted by the research team. The aim of this pilot study was to develop and trial the implementation of a warfarin specific medication chart in residential aged care facilities (RACFs).

Keywords

care, warfarin, specific, medication, chart, residential, aged, facilities, implementation, evaluating

Disciplines

Medicine and Health Sciences

Publication Details

Jordan, M., Mullan, J. & Traynor, V. (2011). Evaluating the implementation of a warfarin specific medication chart in residential aged care facilities. *Gerontology & Geriatrics 2011: 9th Asia / Oceania Congress of Geriatrics and Gerontology* (pp. 125-125).

TITLE

A pilot study exploring the effectiveness of a Warfarin-Specific Medication Chart in Residential Aged Care Facilities

AIM

The possibility of a warfarin-specific medication chart that could serve as a prescription, monitoring and administration record for residents in aged care facilities evolved from a previous study conducted by the research team. The aim of this pilot study was to develop and trial the implementation of a warfarin specific medication chart in residential aged care facilities (RACFs).

METHODS

An action research study using a qualitative approach was adopted to evaluate the implementation of a warfarin-specific medication chart. Data were generated from interviews with both General Practitioners (GPs) and Registered Nurses (RNs) involved in trialing the chart.

Following approval from the University of Wollongong Human Research Ethics Committee the study was conducted in three phases: (1) using a multidisciplinary approach to develop the chart; (2) implementation of the chart; and (3) evaluation of the chart.

FINDINGS

The warfarin specific medication chart was successfully developed and trialed in three Illawarra based RACFs managing 23 older residents receiving warfarin therapy. Prior to the implementation of the chart, 11 education sessions about warfarin therapy and the use of the chart were presented to 56 RACF staff members.

Ten GPs and 12 RNs were interviewed about their perceptions of the new chart at the completion of the 3 month trial. They unanimously agreed that the chart improved communication about warfarin; was easy to use; was time-saving; and enhanced warfarin prescription and administration times. They all highly recommended the use of the new chart as usual practice in all RACFs.

Relevance to the Conference Themes

A warfarin specific medication chart can therefore be effectively used to improve clinical practice and the health of residents receiving warfarin therapy. Potentially because of the improved management and communication about warfarin, the new chart can also reduce the incidence of warfarin related adverse events.

AUTHORS (Role and Institution)

1. Margaret Jordan, NPS facilitator, Illawarra Division of General Practice and Master of Science by Research Student, School of Nursing, Midwifery & Indigenous Health, University of Wollongong
2. Dr Judy Mullan, Senior Lecturer, Graduate School of Medicine, University of Wollongong
3. Associate Professor Victoria Traynor Rehabilitation, Continuing and Aged Care and Associate Director, NSW/ ACT Dementia Training Study Centre, School of Nursing, Midwifery & Indigenous Health, University of Wollongong

Margaret Jordan NPS facilitator Illawarra Division of General Practice 336 Keira Street (PO Box 1198) Wollongong NSW 2500 Telephone: 02 4226 7052 Email: mjordan@idgp.org.au
Dr Judy Mullan Senior Lecturer Graduate School of Medicine Building B28.115 University of Wollongong Wollongong NSW 2522 Telephone: 02 4221 5980 Email: judy_mullan@uow.edu.au
Associate Professor Victoria Traynor School of Nursing Midwifery & Indigenous Health Faculty of Health & Behavioural Sciences Building 41 University of Wollongong Wollongong NSW 2522 Telephone: 02 4221 3471 Email: victoria_traynor@uow.edu.au

BIOGRAPHIES OF AUTHORS (50 words maximum)

1. Margaret Jordan has 25 years experience as a pharmacist including teaching roles at the University of Sydney and University of Wollongong. Margaret is the NPS Facilitator for Illawarra Division of General Practice and is the final year of her Master of Science by Research studies.

Geriatrics and Gerontology Conference Melbourne October 2011

2. Dr Judy Mullan has been a Senior Lecturer in the Graduate School of Medicine at the University of Wollongong since 2008. Judy has 25 years experience as a pharmacist. Her teaching spans undergraduate and postgraduate subjects and her research interests are Medication Compliance; Aged Care; Patient Education; Professional/Patient Partnerships.
3. Associate Professor Traynor has been with the University of Wollongong for five years. Her background combines research, education, and clinical experience in aged care. The focus of her work has been on improving dementia care services through practice development and education projects in health care. Previous positions were held in the UK.