



ORGANIZATION OF NURSING LABOR IN TOMOGRAPHY: BUILDING RESPONSIBILITIES AND PROCEDURES

ORGANIZAÇÃO DO TRABALHO DE ENFERMAGEM NA TOMOGRAFIA COMPUTADORIZADA: CONSTRUINDO ATRIBUIÇÕES E PROCEDIMENTOS

ORGANIZACIÓN DEL TRABAJO DE ENFERMERÍA EN TOMOGRAFÍA: CONSTRUINDO ATRIBUCIONES Y PROCEDIMIENTOS

Sonia Regina Gonçalves dos Santos¹, Simone Cruz Ferreira²

ABSTRACT

Objectives: to characterize the work process of the nursing staff in the Computerized Tomography Unit; identify the procedures, recommended in the literature, which empower to the nursing staff in the Computerized Tomography Unit; develop standard operating procedures specific to nursing care in the Computerized Tomography Unit. **Method:** Exploratory-descriptive research with a qualitative approach, to be performed for data logging with the participant observation technique, with use of a field diary; this is used to as an intervention tool factor called, protocol. The subject will be two nurses, three technicians and five nursing assistants. The data will be analyzed with a focus on theoretical-methodological framework of the work process. The study was approved by the Ethics in Research, CAAE 21834113.2.126.0000000.5243. **Expected Results:** from the participant observation and the theoretical construction of the nursing team's assignments, it seeks a detailed description of the nursing activities. **Descriptors:** Diagnosis by Imaging; Contrast Methods; Nursing Care.

RESUMO

Objetivos: caracterizar o processo de trabalho da equipe de enfermagem na Unidade de Tomografia Computadorizada; Identificar os procedimentos, preconizados na literatura, que competem à equipe de enfermagem na unidade de tomografia computadorizada; elaborar procedimentos operacionais padrão específicos para assistência de enfermagem na unidade de tomografia computadorizada. **Método:** pesquisa exploratória-descritiva, com abordagem qualitativa, a ser realizada para registro dos dados com a técnica de observação participante, com utilização de um diário de campo; utilizar-se-á como fator de intervenção a ferramenta denominada protocolo. Os sujeitos serão duas enfermeiras, três técnicos e cinco auxiliares de enfermagem. Os dados serão analisados com enfoque no referencial teórico-metodológico do processo de trabalho. O projeto de pesquisa foi aprovado pelo Comitê de Ética em Pesquisa, CAAE 21834113.2.0000.5243. **Resultados esperados:** a partir da observação participante e a construção teórica das atribuições da equipe de enfermagem buscar-se-á a descrição detalhada das atividades de enfermagem. **Descritores:** Diagnóstico por Imagem; Meios de Contraste; Assistência de Enfermagem.

RESUMEN

Objetivos: caracterizar el proceso de trabajo del equipo de enfermería en la Unidad de Tomografía Computarizada; Identificar los procedimientos recomendados en la literatura, que compiten del equipo de enfermería en la unidad de tomografía computadorizada; desarrollar procedimientos operacionales de norma específica para la atención de enfermería en la unidad de tomografía computadorizada. **Método:** estudio exploratorio-descriptivo, con enfoque cualitativo, a realizar para registrar los datos con la técnica de la observación participante, utilizando un diario, y se usará como factor de intervención la herramienta denominada protocolo. Los sujetos son dos enfermeras, tres técnicos y cinco auxiliares de enfermería. Los datos se analizaron con un enfoque en el marco teórico-metodológico del proceso de trabajo. El proyecto de investigación fue aprobado por el Comité de Ética de Investigación, CAAE 21834113.2.0000.5243. **Resultados esperados:** partir de da observación participante y la construcción teórica de las competencias de la del equipo de enfermería se buscar una descripción detallada de las actividades de enfermería. **Descritores:** Diagnóstico por Imagen; Medios de Contraste; Asistencia de Enfermería.

¹Nurse, Student, Masters Program in Professional Care in Nursing Care /MPEA/EEAAC/UFF. Niterói (RJ), Brazil. Email: gssoniar@gmail.com; ²Nurse, PhD Professor in Nursing, Department of Nursing Fundamentals and Administration, Masters Program in Professional Care in Nursing Care /MPEA/EEAAC/UFF. Niterói (RJ), Brazil. Email: simoneferreira@vm.uff.br

INTRODUCTION

The sociocultural, political and economic changes that occurred in the last decades of the 20th Century, had their repercussions in the Brazilian context causing changes in society and causing transformation of health and health problems. In this scenario, the healthcare services and their diagnostic and therapeutic support units had a significant evolution and have developed a high level of technological complexity and dynamism, which require agility, attention and observation in achieving its processes.¹ The diagnostic and radiology centers alone represent advances achieved in scientific knowledge that exemplify this movement.

From the advent of radiology, increasingly comes these sophisticated possibilities to view the internal structures of the human body. This became more evident with the incorporation of knowledge originating from technology associating them with the possibility of more refined readings of captured images. Thus, in the association of this knowledge, i.e. of medical science, radiology and technology, computerized tomography was developed and with it, the need for chemical substances, the contrast method, that once ingested orally or administered by intravenous route, provide better visualization and consequently, diagnostic definition with greater effectiveness.²

The qualification and the technical preparation of the professionals are essential for early identification of risk factors and signs of adverse reactions² consequent to the use of iodinated contrast method, being decisive in preventing harm to patients. The object of this study is the process of nursing work in unity of Computerized Tomography, which will be here understood as activities related to diagnostic procedures, the administration of iodinated contrast, prevention of complications related to these substances, patient safety of the, but also in order to humanize care.

The nurses who work in units that express in their routine the technological evolution of health, such as the diagnostic imaging tests, are inserted in a collective work and interdisciplinary. They must seek quality care and excellence in results, participating effectively in the management of resources, drafting and implementation of protocols for nursing care for the solutions and management of problems.³

The daily work in computed tomography also refers to risks consequent to ionizing

radiation, which should be directed to the multi professional team and to patients and the safety of both, guaranteed through the Regulatory Standard 32 (NR 32), Ministry of Labor and Employment that deals with the Health and Safety at Work in Health Services. In this regard it must be emphasized the importance of the use of Personal Protective Equipment (PPE), aiming at the reduction of occupational risks.⁴

In order to handle this problem this study guide us to seek answers to the following guiding questions:

How to work of the members of the nursing team at Computerized Tomography Unit of the HUAP?

What activities are part of nursing care in the Computerized Tomography Unit?

How nursing care should be developed before, during and after the procedures in Computerized Tomography?

OBJECTIVES

- Characterize the working process of the nursing staff in the Unit of Computerized Tomography.
- Identify procedures, recommended in the literature, which compete to the nursing staff in the unit of computerized tomography.
- Prepare standard operating procedures specific to nursing care in unit of computerized tomography.

METHOD

Exploratory-descriptive Research with a qualitative approach, since it uses the text as empirical material, part of the concept of social construction of realities in study and is interested in the perspectives of the participants, in their day-to-day practice and in their daily knowledge, with a focus on theoretical-methodological framework of the work process.

The scenario will be the Computerized Tomography Unit of a university hospital located in the state of Rio de Janeiro/RJ, Brazil. The subject will be the members of the nursing team composed of two nurses, three technicians and five nursing assistants, who develop their activities in this unit and are not on medical leave during the data production.

As the data, production technique will be employed for the participant observation, regularly and repeated with a focus on people and situations, from a script. The field diary will also be used for data recording of the and shall be constructed foundations that will serve as the basis for the organization of the nursing work in CT, construction of standard

operating procedure for the use of contrast and formulation of the assignments of the members of the nursing team.

As expected results from the participant observation of the activity of the nursing team in the treatment of patients undergoing computerized tomography with use of iodinated contrast and the theoretical construction of its assignments seek to detail the description of nursing activities.

The research project has met the principles and ethical aspects of the Resolution 466/2012, of the National Health Council, with submission to the Research ethics Committee of the University Hospital, Antonio Pedro, with approval under the Opinion of CAAE No 21834113.2.0000.5243.

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Corresponding Address

Sonia Regina Gonçalves dos Santos
Hospital Universitário Antonio Pedro/HUFF
Diretoria de Enfermagem / Coordenação da
unidade de Tomografia Computadorizada
Bloco anexo, 6º andar
Rua Marques de Paraná, 303 / Centro
CEP: 24033-900 – Niterói (RJ), Brazil