



## Gianluca Catania

Fixed-term assistant professor

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### *Education and training*

2014

#### **PhD**

A quasi-experimental trial evaluating the potential effectiveness of complex nursing intervention focused on quality of life assessment on advanced cancer patients with palliative care needs.

Università di Genova - Genova - IT

2008

#### **Master Science of Nursing**

The role of the clinical trial nurse in Italy. - 108

Università di Genova - Genova - IT

2006

#### **Master in Oncology and Palliative Nursing Care**

Testing an instrument measuring Italian nurses' knowledge and attitudes regarding pain

Università di Genova - Genova - IT

1996

#### **Bachelor in Nursing**

E.O. Ospedali Galliera - Genova - IT

### *Academic experience*

2014 - ONGOING

#### **Researcher - assistant professor**

Università di Genova - Genova - IT

Education and Research

### *Work experience*

1999 - 2005

#### **Bedside Nurse**

Policlinico San Martino - Genova - IT

oncology nursing care

2005 - 2014

## **Research nurse**

Policlinico San Martino - Genova - IT  
nursing research in oncology and palliative care

## ***Language skills***

### **English**

Proficient  
First Certificate

## ***Teaching activity***

Education about evidence-based nursing, research methodology at bachelor nursing program, master science of nursing program, and masters in nursing field (critical care, nursing management, forensic nurse, community nursing).

## ***Postgraduate research and teaching activity***

### **Supervision of PhD students, residents and post-doctoral fellows**

Supervision of doctoral students, participation in the college of teachers in the field of research doctorates, assignment of teaching assignments in the context of research doctorates

## ***Research interests***

Palliative Care - Nursing Outcomes - Cancer Nursing - Validation Studies

## ***Grants***

2006

### **Testing an instrument measuring Italian nurses' knowledge and attitudes regarding pain**

ACCD (Associazione Cremonese Cura del Dolore) Cremona - IT

2000 - Principal investigator

Validating an instrument focused on measuring Italian nurses' knowledge and attitudes regarding pain

2007

### **Quality of Informed Consent**

Local Nursing Board - IT

500 - Principal investigator

Validating the Italian version of the Quality of Informed Consent Questionnaire

2012

## **Developing a complex intervention focused on quality of life assessment in palliative care**

European Oncology Nursing Society - GB

2500 - Principal investigator

Clinical Travel Grant

I was interested in capture all the elements on the ground of quality of life assessment as performed at the St. Christopher Hospice (London - UK).

As a results of my clinical visit I observed in palliative care practice and learned more about which elements I will consider before implementing an intervention focused on quality of life assessment, for example starting with identifying the appropriate QoL tool, training staff about using the tool, identifying a responsible for the process, defining the QoL assessment timetable (e.g. day three and day ten after admission), defining threshold scores and trigger point area, and then discussing results.

Between the features that I have observed, especially I was struck by the availability of interventions targeting patients with needs related to the physical dimension but also to the social, psychological and spiritual dimension, as such this is an important element to think of before starting assessing patient's needs.

2013 - 2017

## **Quasi-experimental trial of complex nursing INTERvention Focused on Quality Of Life assessment on advancer cancer patients with palliative care needs feasibility acceptability and potential effectiveness (the INFO-QoL Study)**

European Oncology Nursing Society - GB

30000 - Principal investigator

Development of the intervention (INFO-QoL) was based according to the Medical Research Council framework for developing and evaluating complex interventions in healthcare.

The study was conducted in two hospice units of the urban district in the north of Italy. The sample consisted of all the hospice staff members (N=39) and all adult cancer patients newly admitted to the hospice units (N=187). Patients were invited to participate in the study, and they were included after giving their informed consent. Patients too ill to receive the intervention or unable to give informed consent either due to cognitive impairment or because they were unable to understand Italian were excluded.

The intervention developed included: educating staff about quality of life and treatments to promote quality of life; identifying a nurse to manage the assessment process; assessing patient's quality of life using a paper version of the Integrated Palliative Care Outcome Scale (IPOS) at the admittance and a week later; sharing IPOS results with the team during the staff daily briefing, and giving patient's feedback of results and plan of care.

### **Key Results:**

Concerning the feasibility, the INFO-QoL intervention was provided as planned. As for the acceptability, nurses found the intervention relevant,

appropriate, and useful. We found that the intervention increased the numbers of activities delivered to patients for the following symptoms: sore/dry mouth, patient and family anxiety in the intervention group. A moderate significant clinical improvement was found for family anxiety item ( $d = -0.50$ ; 80%CI -0.88 and -0.11).

#### **Conclusions:**

The results indicate that a nurse-led evidence-based intervention focused on quality of life assessment in palliative care is feasible and acceptable and showed a positive impact on treatments delivered to patients improving family anxiety perceived by patients. The intervention may also have a positive impact on fatigue, patient anxiety, practical problems, feeling at peace, information, and overall QoL.

2017

#### **Laryngectomy patients experience a qualitative study**

IPASVI - IT

1500 - Principal investigator

Describing the experience of patients with laryngectomy survived to head-neck cancer.

2017 - 2018

#### **NURSING SENSITIVE OUTCOMES AND QUALITY OF CARE IN PEDIATRICS (RN4CAST-PED)**

Fulbright Commission - US

12000 - Principal investigator

The RN4CAST study conducted in adult general hospitals in Europe showed that positive nurse work environments and better nurse staffing determine an improvement of safety and quality in hospital care. The RN4CAST-Ped aims to determine whether nurse staffing and work environments in pediatric hospitals can impact on safety and quality of pediatric care. A cross sectional study will be performed in five freestanding children's hospitals and pediatric units of eight general hospitals. Data will be gathered through four data sources at nurse, caregiver, organizational, and discharge data level. Results will generate forecasting models of nursing resources in Italy.

#### ***Editorial activity***

Referee of international journals *bmc palliative care*, *supportive care in cancer*, *European journal of oncology nursing*. Author of more than 50 papers published in international journals and more than five books.

#### ***Assignments abroad***

Senior fellow at the center for health outcomes and policy research. School of Nursing. University of Pennsylvania - Philadelphia (PA) - USA