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As the Editor-in-Chief of *Annals of Palliative Medicine*, Dr. Howard S. Smith had been dedicated to the palliative care in his whole career life. Since April 2012, Dr. Smith had been working on the preparation of a comprehensive book on palliative medicine as a valuable guidebook for both academic and clinical education. Collaborating with the most excellent experts in the field co-authoring the book, great progress had been made in 2013 together with Dr. Julie G. Pilitsis as the co-editors. The book was named *The Art and Science of Palliative Medicine* (Figure 1), to be published by AME Publishing Company.

On May 8th, 2013, we learnt the tragic and untimely demise of Dr. Howard S. Smith with great grief. As Dr. Howard S. Smith’s last but important contribution to the field of palliative care, the book *The Art and Science of Palliative Medicine* was proceeding as schedule with great efforts of Dr. Pilitsis as the editor, distinguished authors and reviewers of the book, Ms. Pya Seldner as the assistant editor, and the whole editorial team. At the moment, the book is in the final state to be published.

The book includes basically four parts, covering the most important aspects of palliative medicine. The first part of the book introduces the general palliative medicine issues, e.g., the introduction of the palliative care team and other general conceptions. The second part focuses on palliative issues in specific medical conditions, e.g., neuro-oncology, HIV and AIDS, etc. The third part is a thorough presentation of different symptom management in palliative medicine, among which pain management is given greater weight. The last part demonstrates palliative issues in special populations and circumstances. What follows is a preview of the table of content of this book.

With the release of the book, we sincerely hope it could serve as a significant edition on palliative medicine for preclinical and clinical health workers as well as medical students.

*The Art and Science of Palliative Medicine*

**Editors**: Howard S. Smith MD; Julie G. Pilitsis, MD, PhD

**Preface**

**Forward**

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**Figure 1** *The Art and Science of Palliative Medicine*, Edited by Howard S. Smith, MD; Julie G. Pilitsis, MD, PhD.
Dedication
Acknowledgements

I. Introduction

II. Palliative medicine issues
A. The palliative care team
B. Healthcare ethics and pain management in palliative medicine—Bruce D. White
C. Advance care planning—Patricia A. Bomba
D. Nutrition and hydration—Lorraine R. Cox
E. Spirituality—Lorraine R. Cox
F. Family issues—Lorraine R. Cox, Laura Maselli
G. Palliative medicine and bereavement—Lorraine R. Cox
H. Prognostication—Amy Allen Case, Michelle M. Walter

III. Palliative issues in medical conditions
A. Palliative care in neuro-oncology—Andrea Pace, Veronica Villani
B. Palliative issues in cancer induced bone pain—Intikhab Mohsin
C. Palliative issues in HIV and AIDS—Doug G. Fish
D. Palliative issues in end stage renal disease
E. Palliative care for patients with end stage liver disease—Nicole Siparsky, Lorraine R. Cox, Purvi Y. Parikh
F. New treatments for symptomatic severe aortic stenosis—Saroj Pani, Howard S. Smith, Farhan Sheikh, Mark P. Tållman
G. Palliative issues in end stage pulmonary disease—Boris Medarov

IV. Symptom management in palliative medicine
A. Pain
1. Pathophysiology of pain—Shengxi Wu, Ya-Yun Wang, Juan Shi, Yu-Lin Dong, Gui-Hong Cai
2. Overview of pain in palliative medicine—Sal Abdi
3. Breakthrough pain—Howard S. Smith
4. Opioids in palliative medicine—Mellar P. Davis, Pamela Gamier
5. Opioids side effects
6. Nonopioid analgesics—Jeff Gudin
7. Adjuvant analgesics—Neha Gupta, Amy Allen Case
8. Topical analgesics
9. Interventional pain techniques—Sal Abdi
10. Interventional procedures and minimally invasive techniques for persistent pain—Kyung-Hook Kim
12. Neurosurgical management of pain in palliative care patients—Shiveindra Jeyamohan, Paul MacMahon, Howard S. Smith, Julie G. Pilitsis
13. Tai Chi for pain in palliative care—Hung Ling Tan, Philip WH Peng
14. The role of physical rehabilitation in palliative care—Gerry V. Klim
B. Dyspnea—Boris Medarov
C. Palliative medicine issues: nausea/vomiting—Howard S. Smith
D. Dysphagia—Monisha Sudarshan, Wael Hanna, Lorenzi E. Ferri
E. Hiccups—Charles Bakhos, Tom Fabian
F. Constipation/diarrhoea—Pat Meek, Michael Brodeur
G. Anorexia and cachexia: definitions, clinical presentations, mechanisms and treatments—Mellar P. Davis, Pamela Gamier
H. Fatigue and sleep difficulties in the palliative care population—Adolfo Ramirez-Zamora, Julie G. Pilitsis, Vikas K. Parmar, Joannalee C. Campbell
I. Etiology, pathogenesis and management of pruritus in the palliative care patient population—David Shapiro, Karina Gritsenko, Naum Shaparin, Boleslav Koscharsky
J. Supportive and palliative care in dentistry and oral medicine—Sharon Elad, Robert Horowitz, Yehuda Zadik
K. Genitourinary issues in palliative medicine—Petros Sountoulides, Athanasios Bantis
L. Cough—Howard S. Smith
M. Management of delirium in palliative care—Eric Prommer, Reder Sarah
N. Dementia—Abdul Brula
O. Encephalopathy
P. Depression—Lisa Norelli
Q. Death-rattle—Bee Wee

V. Palliative issues in special populations and circumstances
A. Emergencies in palliative medicine—Dirk Schrijvers
B. Malignant wound management—Vincent Maida, Susan Alexander, Amy Allen Case, Pirouz Fakhraei

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C. Pediatric palliative medicine—Joanne Porter
D. Palliative evaluation and management of aerodigestive conditions—David W. Yaffee, Thomas Fabian, Michael D. Zervos, Costas S. Bizekis
E. Malignant bowel obstruction—Robert A. Milch
F. Palliative evaluation and management of pleural conditions—Tom Fabian, Charles Bakhos
G. Palliative sedation—Seb Mercadante
H. Palliative radiotherapy—Kenneth Li, Florence Mok, Danielle Rodin, Kam-Hung Wong, Rebecca Yeung, Edward Chow

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