

Oncologic Drugs Advisory Committee Bethesda, Maryland January 31, 2002



Introduction

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ZOMETA®Overview

- ZOMETA belongs to a new class of highly potent bisphosphonates
- Treatment of hypercalcemia of malignancy
 - Approved by FDA in August 2001
 - Approved in over 60 countries
- Treatment of bone metastases
 - Filed July 2001 in EU and August 2001 in US and other major countries
 - Dose: Zoledronic acid 4 mg infused over 15 min q 3 to 4 wk
- Non-oncologic uses under evaluation
 - Paget's disease, osteoporosis, rheumatoid arthritis



ZOMETA® in Bone Metastases Proposed Indication

ZOMETA (zoledronic acid) is indicated for the treatment of osteolytic, osteoblastic, and mixed bone metastases of solid tumors and osteolytic lesions of multiple myeloma, in conjunction with standard antineoplastic therapy



ZOMETA® in Bone Metastases Phase III Trials

Three randomized, international, parallel, double-blind trials

Trial	N	ZOMETA 4 mg and 8 mg versus	Patient population	Duration
010	1,648	Pamidronate	Multiple myeloma Breast cancer	13 mo
039	643	Placebo	Prostate cancer	15 mo
011	773	Placebo	Other solid tumors	9 mo



ZOMETA® in Bone Metastases Clinical Profile (1)

- ZOMETA is bone specific, not tumor specific; effective in a broad variety of tumor types studied
 - Breast cancer and multiple myeloma
 - Prostate and other solid tumors
 - Other bisphosphonates have not demonstrated efficacy in these tumor types



- First bisphosphonate shown to be effective across a wide variety of solid tumor types in treatment of bone metastases
- Safety is comparable with that of i.v. pamidronate
 - Overall safety profile is supported by data from over 3,000 patients treated with ZOMETA



Agenda

Introduction	. Burkhard Daldrup, PhD
Pathophysiology of Metastatic Bone Diseas and the Role of Bisphosphonates	
ZOMETA® in Breast Cancer and Multiple Myeloma	James Berenson, MD Paul Gallo, PhD
ZOMETA® in Prostate Cancer and Solid Tumors Other Than Prostate Cancer	
and Breast Cancer	Matthew Smith, MD Prof. Robert Coleman, MD, FRCP
Conclusions	David Parkinson. MD



Novartis Oncology

Clinical Research and Development . . John Seaman, PharmD

Consultants

Statistics Richard J. Cook, PhD

Thomas R. Fleming, PhD

Clinical Experts

Lung and Other Cancers Pierre P. Major, MD, FRCPC Radiologic Analysis Joseph F. Simeone, MD, FACR Renal Advisory Board Raimund R. Hirschberg, MD