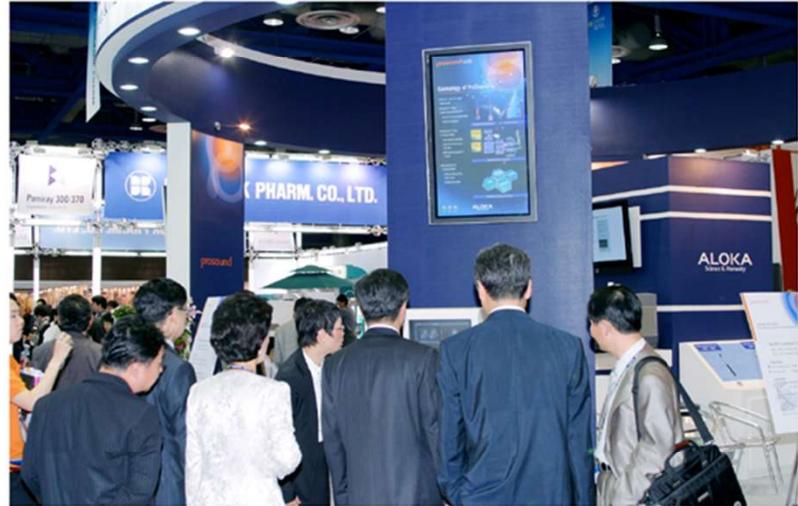
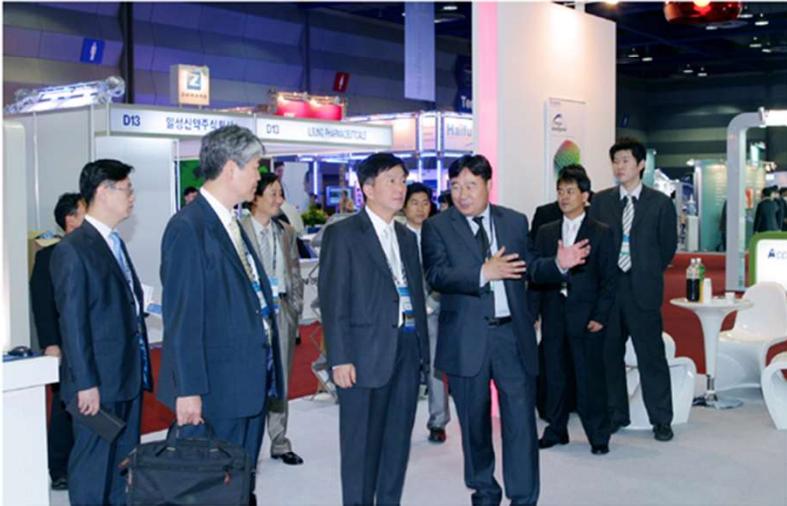
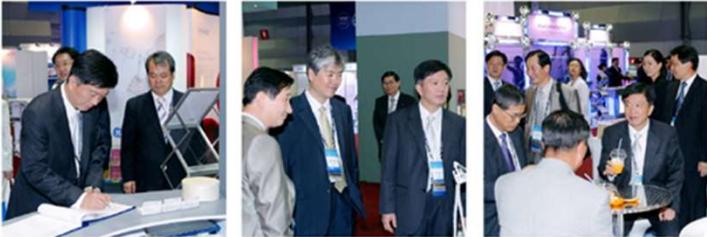


AFSUMB and WFUMB  
related events and Inauguration (G)

\*\*\*\*\*











Brilliant Moment...





# Volume Ultrasound Revolution

## Niche Application → Standard of Care

### Rendered Imaging

- 4D 2001
- Volume U/S 2004
- Volume U/S 2005

### Multi-slice imaging

- Gynecology Volume quantification
- Breast Coronal view
- Cardiac Multi-slice

### Volume Imaging Protocol

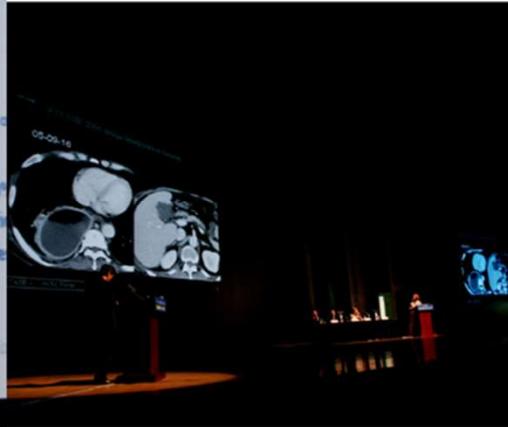
- Scan & operator dependence
- Release: 45 → 5 min
- Review Virtual reality

- Higher resolution
- Faster frame rate
- Probe size

GE imagine



SWEET THE RAINS NEW FALL SUNLIT FROM HEAVEN  
 LIKE THE FIRST DEW FALL ON THE FIRST GRASS  
 FRAME FOR THE SWEETNESS OF THE WET GARDEN  
 SPRING IN COMPLETENESS WHERE HIS FEET PASS



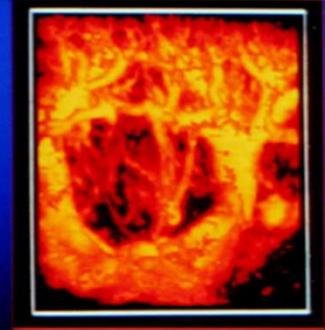




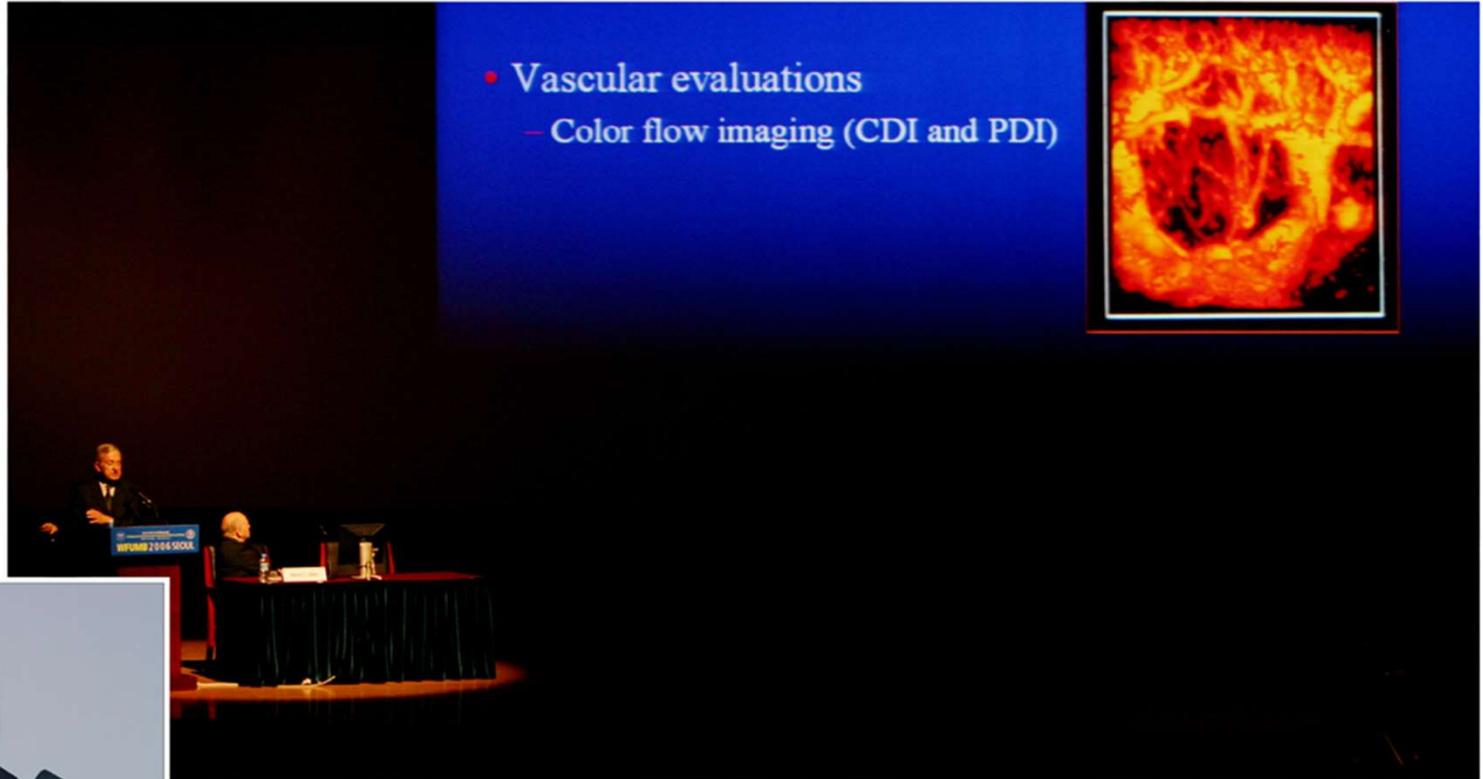
Brilliant Moment...



- Vascular evaluations
  - Color flow imaging (CFI and PDI)



The rings is on my hand,  
And the wreath is on my brow;  
Satins and jewels grand  
Are all at my command,



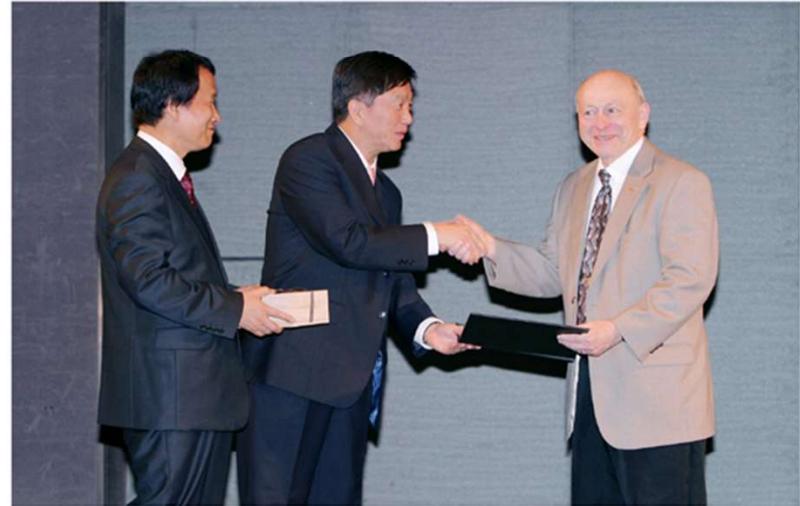
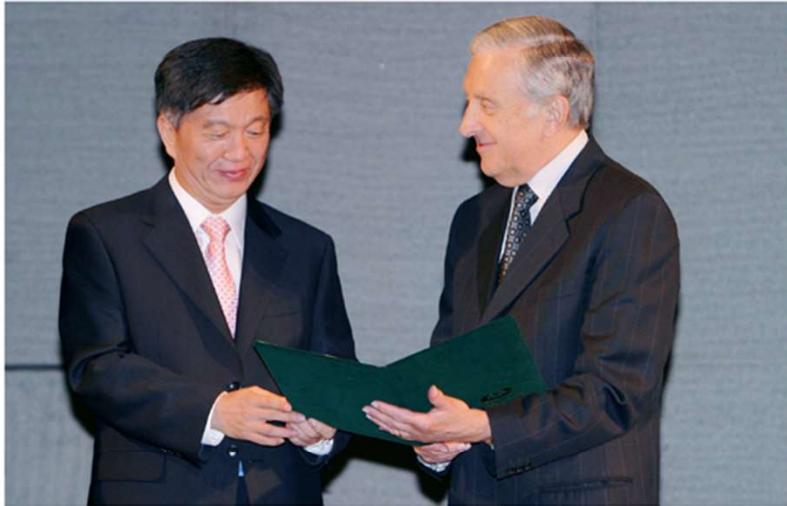
And I am happy now.





Brilliant Moment...







Brilliant Moment...





# WFUMB 2006 President's Dinner

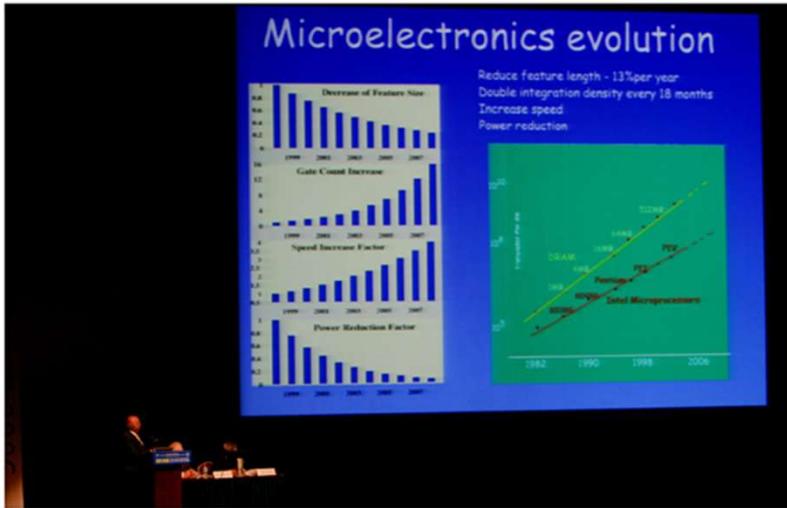
May 29, 2006 · Vista Hall, Sheraton Grande Walkerhill, Seoul

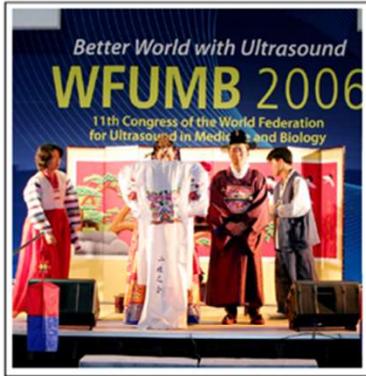


The rings is on my hand,  
And the wreath is on my brow;  
Satins and jewels grand  
Are all at my command,



And I am happy now.

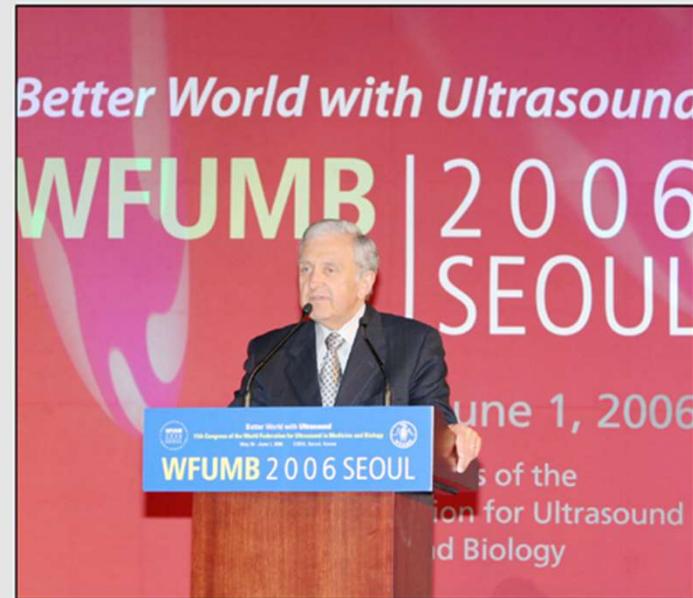
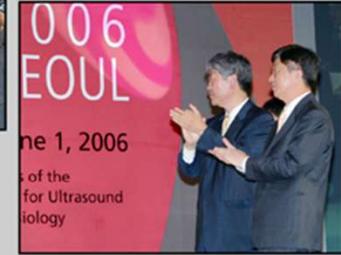




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And I am happy now.



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And I am happy now.













Better World with Ultrasound  
11th Congress of the World Federation for Ultrasound in Medicine and Biology  
May 28 - June 1, 2006 COEX, Seoul, Korea

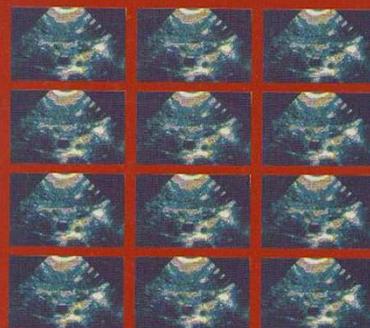


**WFUMB** 2006 SEOUL



# DIAGNOSTYKA ULTRASONO- GRAFICZNA

Pod redakcją  
**P. E. S. PALMERA**



WYDAWNICTWO LEKARSKIE  
PZWL











Better World with Biomedical  
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 Better World with Ultrasound  
11th Congress of the World Federation for Ultrasound in Medicine and Biology  
May 28 - June 1, 2006 CJEL, Seoul, Korea 

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World Federation for Ultrasound  
**WFUMB 2006 SEUL**  
In Medicine and Biology

# WFUMB 2006 President's Dinner

May 29, 2006 • Vista Hall, Sheraton Grande Walkerhill, Seoul







 Lectrum

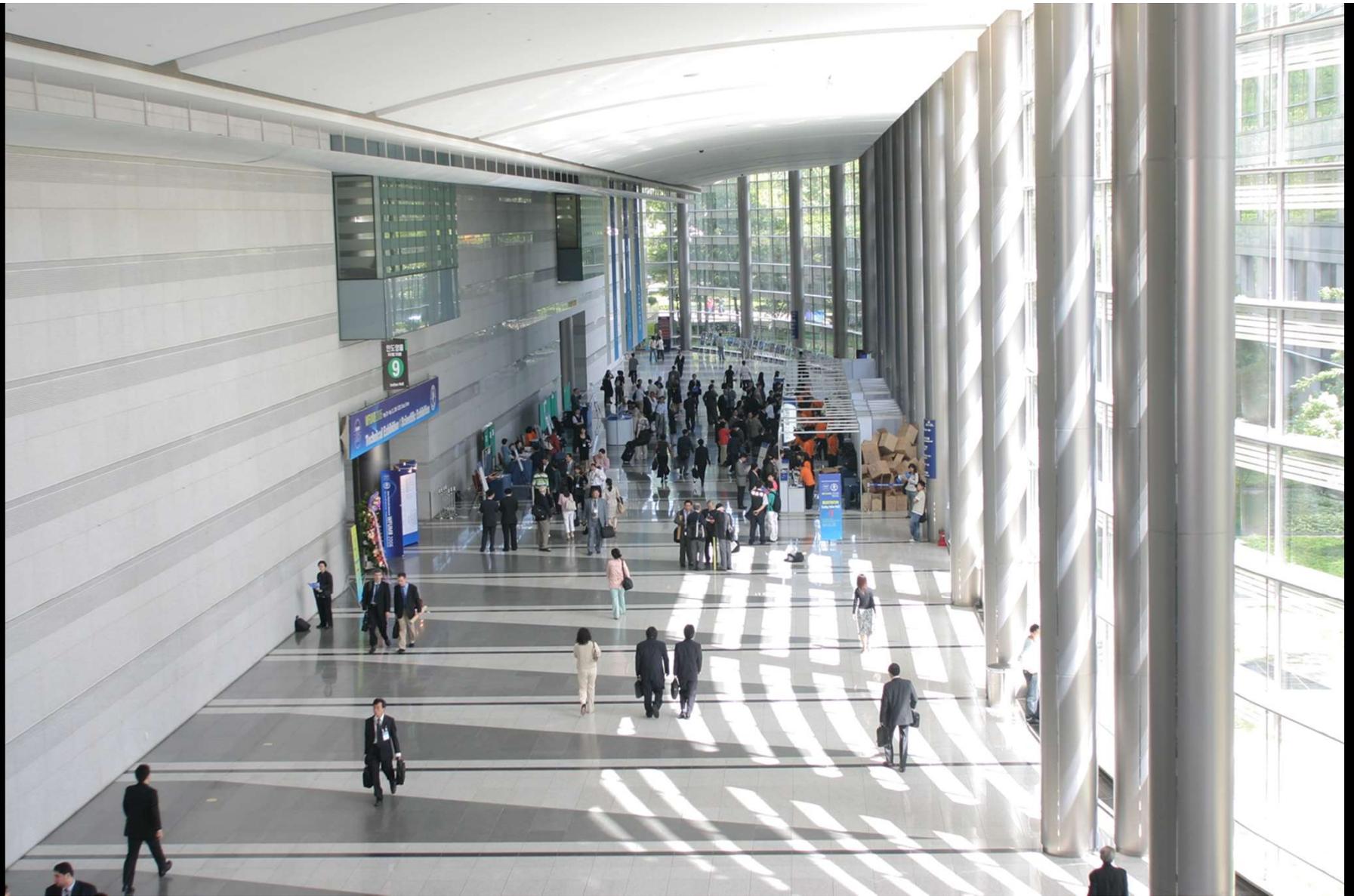
 **Better World with Ultrasound**  
11th Congress of the World Federation for Ultrasound in Medicine and Biology  
May 28 - June 1, 2006 COEX, Seoul, Korea 

**WFUMB 2006 SEOUL**













John M. Reid 1970s







# ULTRASONICS INSTITUTE AUSTRALIA

ULTRASONICS 1962-1969

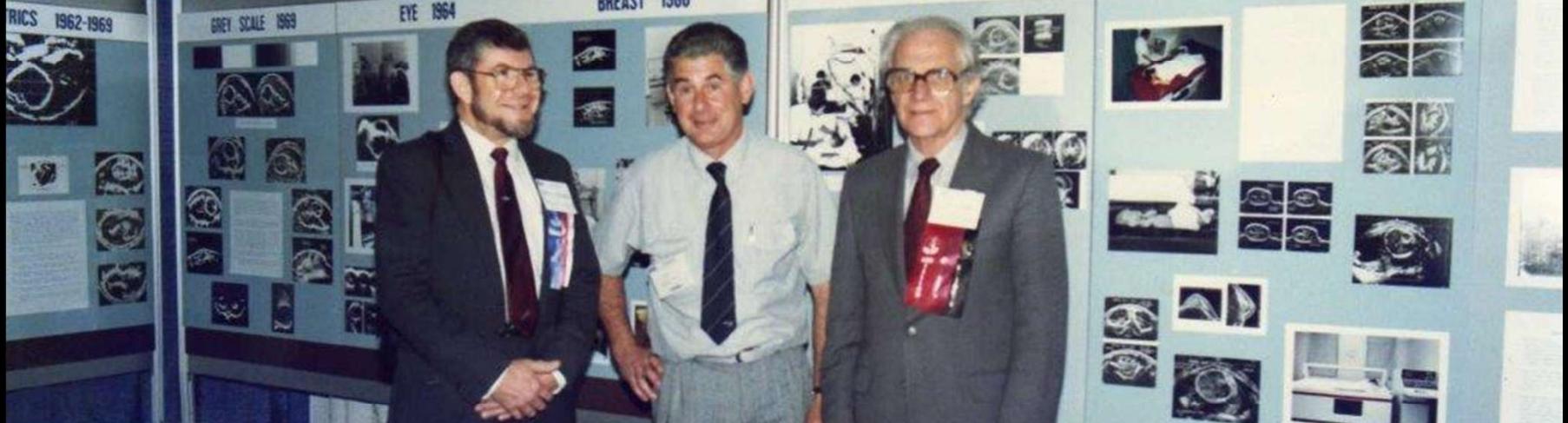
GREY SCALE 1969

EYE 1964

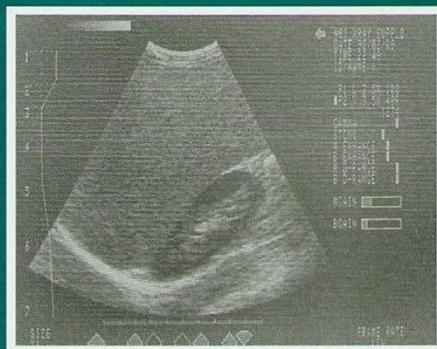
BREAST 1966

BRAIN 1972

OCTOSON 1974



# Руководство по ультразвуковой диагностике



Под редакцией П.Е.С. Пальмера



Выпущено Всемирной организацией здравоохранения  
в сотрудничестве  
с Всемирной федерацией по использованию ультразвука в медицине и биологии











Chairpersons





### Case of the Day - Case 9



#### Background

A 65-year-old female patient presented with a 3-month history of progressive lower back pain, which was worse at night and relieved by NSAIDs. She also reported a 10 kg weight loss and a 10% decrease in appetite over the same period. There was no history of trauma, fever, or night sweats. Her medical history was significant for hypertension and type 2 diabetes mellitus. She was on amlodipine and metformin. Physical examination revealed tenderness over the L4-L5 level and a positive straight leg raise test. Laboratory investigations showed a hemoglobin of 11.5 g/dL, a white blood cell count of 12,000/mm<sup>3</sup>, and a serum calcium of 8.5 mg/dL. The erythrocyte sedimentation rate (ESR) was 45 mm/h, and the C-reactive protein (CRP) was 15 mg/L. A bone scan showed a focal area of increased uptake at the L4-L5 level. The patient underwent a CT-guided biopsy of the L4-L5 vertebral body, which revealed a metastatic deposit of a poorly differentiated carcinoma. Immunohistochemical staining was positive for cytokeratin 20 and negative for cytokeratin 7, consistent with a primary adenocarcinoma of the gastrointestinal tract. The patient was started on palliative chemotherapy with capecitabine and irinotecan.

#### Diagnosis

Metastatic adenocarcinoma of the gastrointestinal tract.

#### Management

Palliative chemotherapy with capecitabine and irinotecan.

### Case of the Day - Case 7



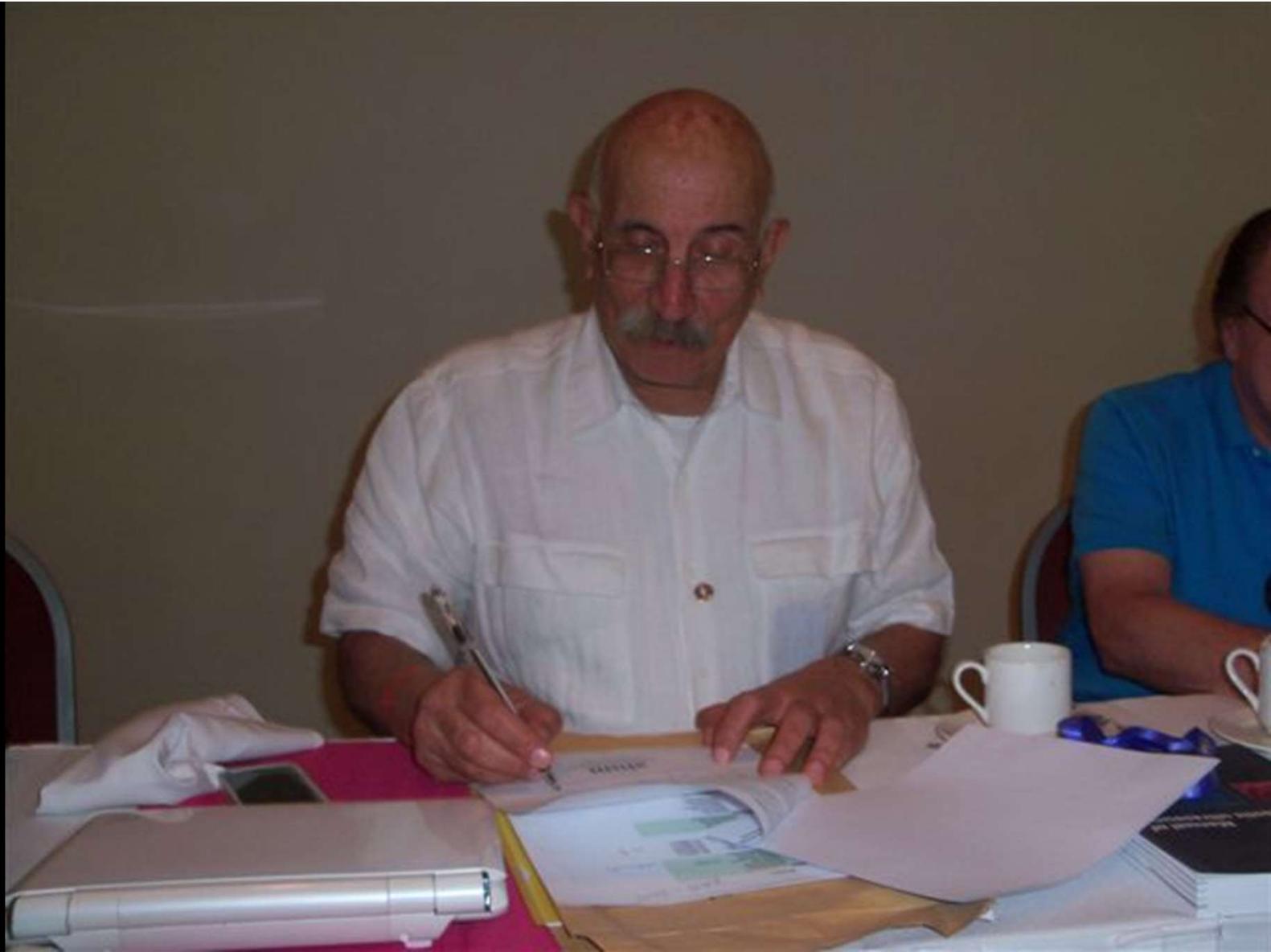
### Case of the Day - Case 1



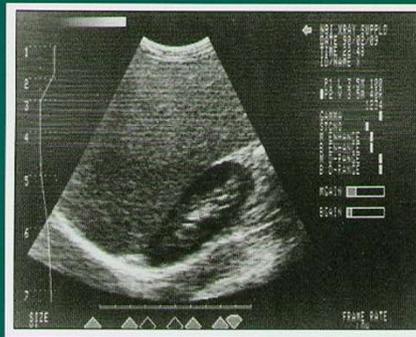
You won the prize for the "Case of the Day"?

Then, Please come to the **Baggage & Coat room** to claim your gift!





# Manual de diagnóstico ultrasónico



Edición de P.E.S. Palmer



Publicado por la Organización Mundial de la Salud  
en colaboración con la  
Federación Mundial para el Ultrasonido en Medicina y Biología

Better World with Ultrasound  
11th Congress of the World Federation for Ultrasound in Medicine and Biology  
May 28 - June 1, 2006 CCKE, Seoul, Korea

**WFUMB 2006 SEOUL**

Ahm Kim

Beryl R. Be

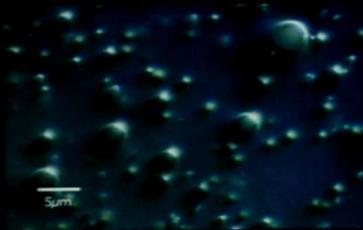
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MIB

Better World with Ultrasound  
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**WFUMB 2006 SEOUL**

Lennart D. Greenbaum

Jong-Tae Lee



## Overseas 2



11th Congress of the  
World Federation for Ultrasound in Medicine and Biology



## Overseas 3



Better World with Ultra

World Federation for Ultra  
WFUMB  
• 2006  
SEOUL

WFUMB 2006 *Better World with Ultrasound*  
**Technical Exhibition**  
May 28 - May 31, 2006 · COEX, Seoul, Korea









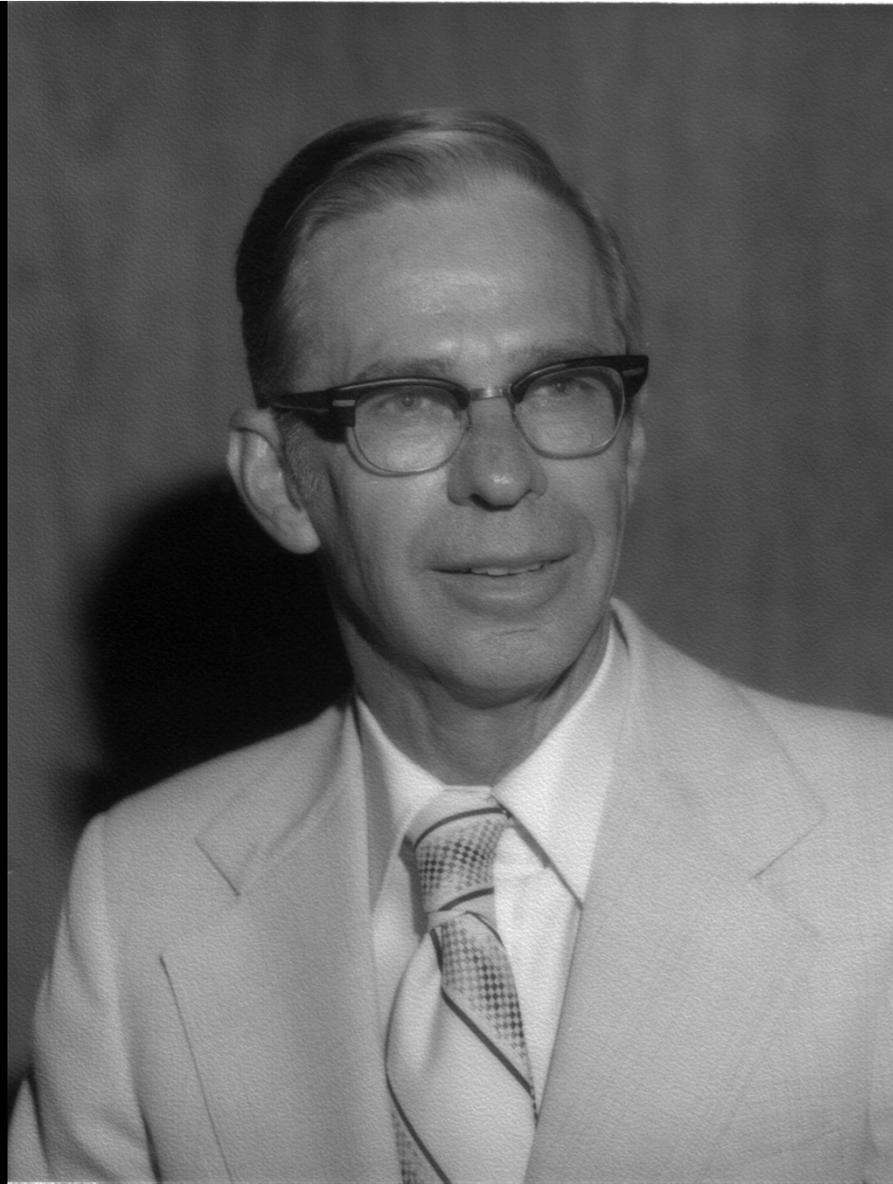




The American Institute of Ultrasound in  
Medicine Hosts  
The 1993 World Federation For  
Ultrasound in Medicine And Biology Meeting  
And  
Second World Congress of Sonographers  
Co-Hosted By SCMS









# MANUÁL ULTRAZVUKOVÉ DIAGNOSTIKY

Editor: P. E. S. Palmer



 GRADA

avicenum 

The display in the foyer (pictured below) highlighting the pioneering work of the Ultrasonics Institute, was exhibited at a "History of Ultrasound" meeting of the World Federation for Ultrasound in Medicine and Biology, in Washington DC, USA in 1988.



1962 David Robinson (left) and George Kossoff (right) with Dr Norman Murray, Director of the Commonwealth Acoustic Laboratories

1962 The Mark I scanner at the Royal Hospital for Rheumatism at the Royal



The first obstetric echogram was obtained at the Royal Hospital for Rheumatism on 11 May 1962 using the Mark I scanner. The device used a single transducer which moved through a water bath coupled to the patient's abdomen, using a compound, bistable image.

This and other images were sent to George Kossoff, then visiting the University of Illinois. When he presented them to the international community their quality was so high that LI's reputation as a leader in ultrasound research was immediately established.

**BABIES SAVED BY STRANGE PHOTO TESTS**

...was such that a range of fetal organs, such as the spine, could be seen.

1962 Laboratory of the Royal Hospital for Rheumatism

1962 David Robinson and George Kossoff with Dr Norman Murray



1962 David Robinson and George Kossoff with Dr Norman Murray



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1962 David Robinson and George Kossoff with Dr Norman Murray



1962 David Robinson and George Kossoff with Dr Norman Murray



1962 David Robinson and George Kossoff with Dr Norman Murray






*J. Vanysek — Brno, President of SIDUO II, addressing the Congress.*



*Toshio Wagai*



Prof Waga, President, Opening Ceremony 2nd WFUMB Miyazaki Japan 1979



サンホテル フェニックス

1978 4.29



W.F.U.M.B. '85  
SYDNEY  
JULY 14-19, 1985  
HILTON  
HOTEL  
SYDNEY













Welcome Party Wien Mayor Rathaus Wien 1969



Welcome Party Wien Mayor Rathaus Wien 1969



Welcome Party Wien Mayor Rothaus Wien 1960















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2006 • COEX, Se



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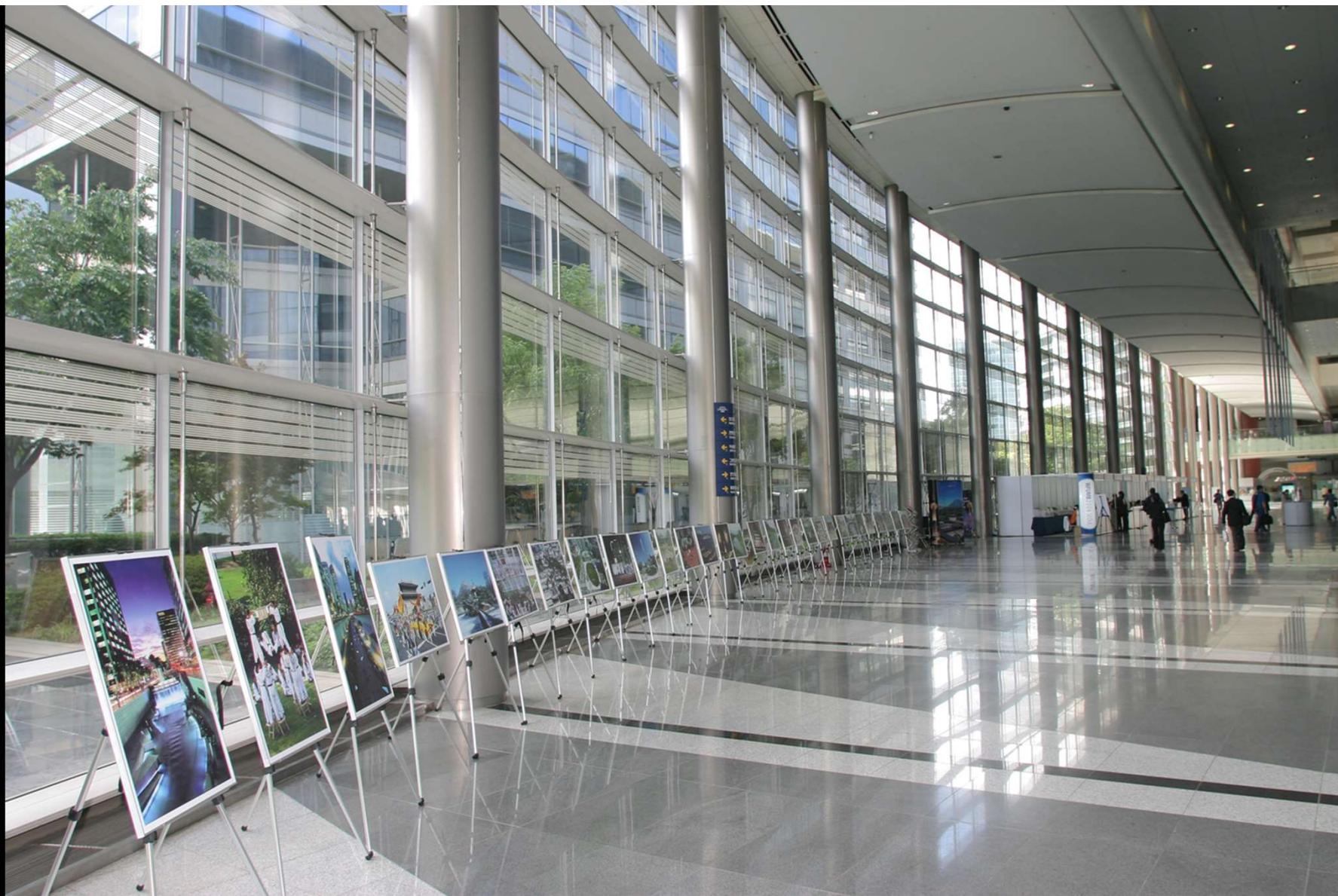








WFUMB 世界超音波医学学術連合会 1978 4.29







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Ultrasound in Medicine and Biology  
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**WFUMB 2006 SEOUL**  
May 28 - June 1, 2006 COEX, Seoul, Korea

XX19

**KIM Seung Hyup**  
**Korea**

*Organizing Committee*  
**Chairperson**  
**Invited Speaker**



親懇会発表研究会





**ULTRASOUND**

By 1978, American Gynecologists had begun to use the B-mode ultrasound and grey scale to measure the fetus in utero. This was a major step forward in the history of obstetric ultrasound. It was the first time that the fetus could be seen in real time, and the first time that the fetus could be seen in a way that allowed the doctor to see the fetus in a way that was not possible before.

**Grey scale**

Before the development of grey scale, the only images formed on a screen were the target specular echoes from organ boundaries, most of normal incidence. They were images, developed (1, 2) in the late 1960s, that imaged the small scattered echoes from other organs, substantially improving the diagnostic value of the resulting images.

**Obstetrics and Gynaecology**

The close relationship between the Ultrasonics Institute and the Royal Hospital for Women was an essential and pioneering ultrasound, particularly in the assessment of diagnosed conditions. This structure first noticed between the early 1980s and the late 1980s, shown by attachment of the



Hekimler Birliđi Vakfı  
Türkiye Klinikleri

Diagnostik

# ULTRASON

El Kitabı



**Editör**

P.E.S. Palmer

**Çevirenler**

Dr. Nuri Erdoğan

Dr. Ahmet Candan Durak

Türkiye Klinikleri



### Breast Ultrasound

Ultrasound breast imaging in Australia began in 1980 with the installation of the Royal North Shore Hospital (RNSH) of dedicated breast scanner. Clinical investigations began in 1987 and grew into a major program in 1989. With the major improvements in image quality, clinical reporting began in 1970. Further developments were achieved through the development of structures, and demonstrated the clinical diagnostic features in benign and malignant solid masses. Through collaboration from the Institute with its clinical collaborators, it played a major role in the establishment of breast ultrasound in Australia and internationally.

During the development period, attention was directed to imaging the axilla breast. It was the first time that imaging was made in a panoramic view about axillary lymphatic nodes. The results led to target imaging of suspicious nodes in other breast and their precise location.

### Other achievements in clinical ultrasound

**Thyroid Ultrasound**  
Thyroid ultrasound has been used for many years to evaluate the size, shape, and position of the thyroid gland. It is a valuable tool in the diagnosis of thyroid disease, particularly in the detection of nodules and cysts. The use of ultrasound in the thyroid gland has been a major achievement in clinical ultrasound.

**Scrotal Ultrasound**  
Scrotal ultrasound is used to evaluate the size, shape, and position of the scrotum. It is a valuable tool in the diagnosis of scrotal disease, particularly in the detection of nodules and cysts. The use of ultrasound in the scrotum has been a major achievement in clinical ultrasound.