Mauna Kea Technologies

DDW 2009
Cellvizio Presentations Compendium

Mc Cormick Place, Chicago

Cellvizio Booth, Chicago

Through 34 presentations and posters on specific Cellvizio studies and more than 50 communications on Confocal Laser Endomicroscopy, key opinion leaders from many countries expressed the usefulness and importance of our product.

Oral Communications

Specific Cellvizio studies

Topic : ASGE Endoscopic Video Forum
Abstract # : Sp342
Title : **Digital cholangioscopy with Narrow Band Imaging and Confocal Microscopy**
Author : Ram Chuttani

Topic : New innovation on colorectal cancer screening
Abstract # : Sp455
Title : **In vivo colorectal neoplasia detection using peptide-targeted confocal endoscopy**
Author : Thomas D. Wang

Topic : Regulation of mucosal immune responses and mesenchymal cell function
Abstract # : 708
Title : **in-Vivo Detection By Confocal Endomicroscopy of Two Distinct Structural Abnormalities in Angioarchitecture and Increased Vascular Permeability in Colonic Mucosa of Patients with IBD in Remission: Mechanistic Implications**
Authors : Andrzej S. Tarnawski, Emmanuel Coron, Jean-François Mosnier, Amrita Ahluwalia, Marc Le Rhun, Jean-Paul Galmiche, Tamara Matysiak-Budnik

---

Topic : Image-based detection of malignancy
Abstract # : 780
Title : **Quantitative In Vivo Assessment of Vascular Permeability in Human Colonic Mucosa Using Confocal Endomicroscopy: Clinical Implications for Colonic Neoplasia**
Authors : Tamara Matysiak-Budnik, Emmanuel Coron, Jean-François Mosnier, Marc Le Rhun, Jean-Paul Galmiche, Amrita Ahluwalia, Andrzej S. Tarnawski

---

Topic : Imaging & Advanced Technology distinguished abstract plenary
Abstract # : 854
Title : **Probe-Based Confocal Endomicroscopy Is Equivalent to Standard Four-Quadrant-Stepwise Biopsy Technique for Diagnosis of Neoplasia Arising from Barrett'S Esophagus**
Authors : Alexander Meining, Michael Vieth, Thomas Rosch, Stephan Miehlke, Valentin Becker, Mario Anders, Heiko Pohl, Ahmed Madisch, Tibor Schuster, Monther Bajbouj, Roland M. Schmid

---

Topic : Endoscopic optical biopsy techniques
Abstract # : Sp845
Title : **Biliary imaging**
Author : Alexander Meining

Oral Communications

Other presentations mentioning Cellvizio

Topic : Novel technologies for the diagnosis of GI disorders
Abstract # : Sp398
Title : **State-of-the-Art Lecture: Kenneth Wang**
Author : Kenneth Wang

Topic : New diagnostic modalities for the early detection of biliary cancers
Abstract # : Sp517
Title : **Endoscopic approaches**
Author : Adam Slivka

Topic : Image-based detection of malignancy
Abstract # : Sp741
Title : **State of the art Overview**
Author : Herbert C. Wolfsen

Topic : Endoscopic optical biopsy techniques
Abstract # : Sp842
Title : **Confocal endomicroscopy : The best of GI imaging ?**
Author : Sharmila Anandasabapathy

Topic : Endoscopic optical biopsy techniques
Abstract # : Sp843
Title : **Endoscope vs probe**
Author : Marcia I. Canto

Topic : Preventing death from gastrointestinal malignancy
Abstract # : Sp36
Title : **Doing Better Than Random Biopsies: Real-Time Imaging of Barrett's Esophagus**
Author : Prateek Sharma

Topic : Inflammatory Bowel Disease
Abstract # : Sp68
Title : **The Endoscopists' Corner: Who's At Risk and What Should We Do? Preventing IBD-Associated Colorectal Cancer**
Author : Bret Lashner

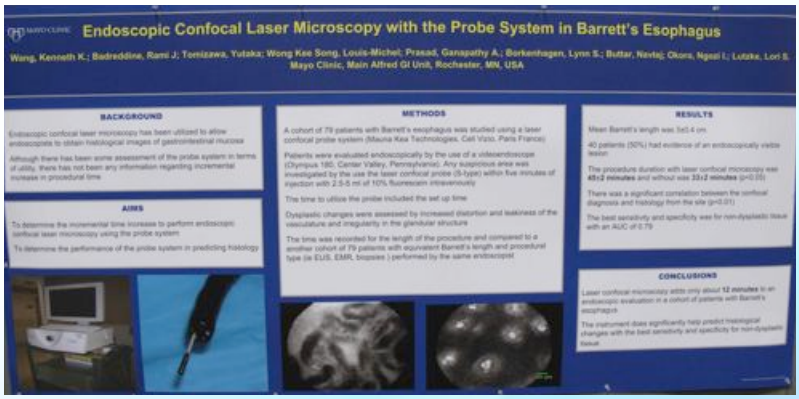
Topic : President Plenary Session
Title : **JACK A. VENNES, MD AND STEPHEN E. SILVIS, MD STATE-OF-THE-ART ENDOWED LECTURE: Integrating New Endoscopic Imaging and Therapeutic Approaches to Barrett's Esophagus in 2009**
Authors : Gary W. Falk

Topic : Esophageal Potpourri
Abstract # : Sp634
Title : **State-of-the-Art Lecture: New Horizons in Endoscopic Therapy**
Authors : Ram Chuttani

Poster presentations

Esophagus

Abstract # : W1351
Title : **Endoscopic Confocal Laser Microscopy with the Probe System in Barretts Esophagus**
Author : Kenneth K. Wang, Rami J. Badreddine, Yutaka Tomizawa, Louis-Michel Wong Kee Song, Ganapathy A. Prasad, Lynn S. Borkenhagen, Navtej Buttar, Ngozi I. Okoro, Lori S. Lutzke



Abstract # : W1362
Title : **Accuracy and Inter-Observer Agreement of Experts for Probe-Based Confocal Laser Endomicroscopy Detection of Dysplasia in Barrett'S Esophagus**
Authors : Michael B. Wallace, Julian A. Abrams, Monther Bajbouj, Ajay Bansal, Anna M. Buchner, Charles J. Lightdale, Prateek Sharma, Herbert C. Wolfsen, Alexander Meining

Colon

Abstract # : T1165
Title : **Generation of a New Classification Scheme for Probe-Based Confocal Laser Endomicroscopy By International Experts Including Their Interobserver Agreement and Accuracy**
Authors : Frank J. van den Broek, Alexander Meining, Michael B. Wallace, Anna M. Buchner, Susanne van Eeden, Jessica A. van Es, Paul Fockens, Evelien Dekker

Abstract # : T1166
Title : **Interobserver Agreement and Accuracy Among International Experts of Probe-Based Confocal Laser Microscopy (pCLE) in Predicting Colorectal Neoplasia**
Authors : Victoria Gomez, Anna M. Buchner, Evelien Dekker, Frank J. van den Broek, Alexander Meining, Muhammad W. Shahid, Marwan Ghabril, Paul Fockens, Michael B. Wallace

Poster presentations

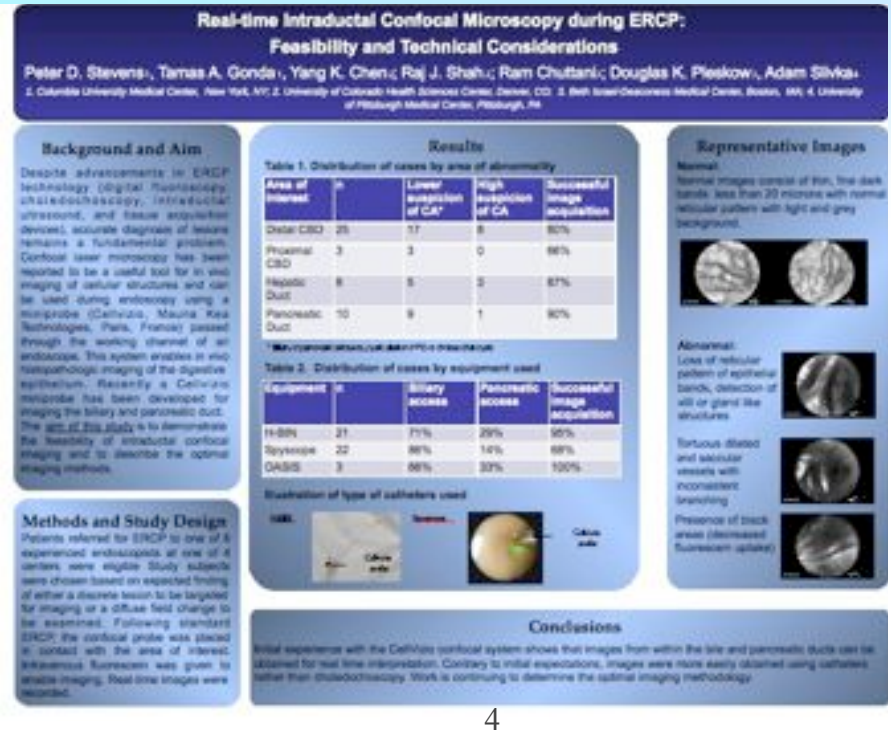
Abstract # : T1170
Title : **Colonic Biopsy Specimens Obtained During Confocal Endomicroscopy Are In Vivo Prestained with Fluorescein and Exceptionally Suited for Cellular and Molecular Imaging**
Authors : Emmanuel Coron, Jean-François Mosnier, Amrita Ahluwalia, Marc Le Rhun, Andrzej S. Tarnawski, Tamara Matysiak-Budnik, Jean-Paul Galmiche

Abstract # : W1416
Title : **The Learning Curve for In Vivo Probe Based Confocal Laser Endomicroscopy (pCLE) for Prediction of Colorectal Neoplasia**
Authors : Anna M. Buchner, Victoria Gomez, Kanwar R. Gill, Marwan Ghabril, Daniela Scimeca, Muhammad W. Shahid, Sami R. Achem, Michael F. Picco, Douglas Riegert-Johnson, Massimo Raimondo, Herbert C. Wolfsen, Timothy A. Woodward, Muhammad K. Hasan, Michael B. Wallace

Abstract # : W1427
Title : **Probe Based Confocal Laser Endomicroscopy (pCLE) in Predicting Recurrence of Neoplasia After Endoscopic Mucosal Resection of Colorectal Lesions**
Authors : Anna M. Buchner, Muhammad W. Shahid, Frank J. van den Broek, Evelien Dekker, Victoria Gomez, Marwan Ghabril, Muhammad K. Hasan, Paul Fockens, Massimo Raimondo, Timothy A. Woodward, Michael B. Wallace

ERCP

Abstract # : T1323
Title : **Real-Time Intraductal Confocal Microscopy During ERCP: Feasibility and Technical Considerations**
Authors : Peter D. Stevens 1 , Yang K. Chen 2 , Raj J. Shah 2 , Ram Chuttani 3 , Douglas K. Pleskow

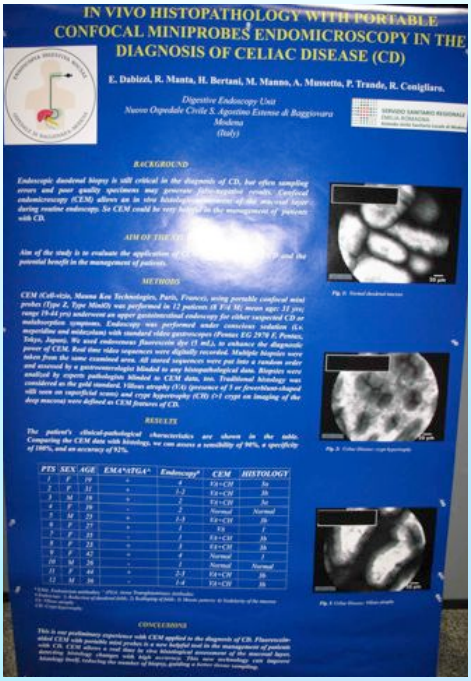


Poster presentations

Small Bowel

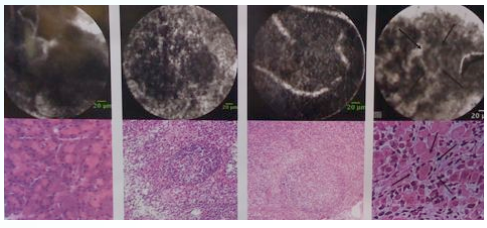
Abstract # : W1433
Title : **The Role of Probe-Based Confocal Laser Endomicroscopy (pCLE) in Detection of Dysplasia in Duodenal Polyps**
Authors : Muhammad W. Shahid, Anna M. Buchner, Muhammad K. Hasan, Victoria Gomez, Michael B. Wallace

Abstract # : W1454
Title : **In Vivo Histopathology with Portable Confocal Miniprobes Endomicroscopy in the Diagnosis of Celiac Disease (CD)**
Authors : Emanuele Dabizzi, Raffaele Manta, Helga Bertani, Mauro Manno, Alessandro Mussetto, Paolo Trande, Rita Conigliaro



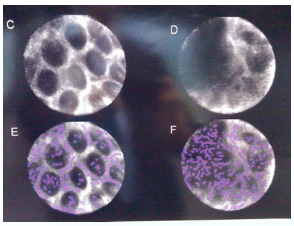
Animal studies

Topic : EUSFNA
Abstract # : S1411
Title : **Puncture-Needle Guided In Vivo Histology of Intra-Abdominal Organs Using Probe-Based Confocal Laser Endomicroscopy (pCLE) in a Porcine Model**
Authors : Valentin Becker, Stefan von Delius, Rogier P. Voermans, Paul Fockens, Timothy A. Woodward, Massimo Raimondo, Michael B. Wallace, Alexander Meining



Poster presentations

Topic : Colonic cancer
Abstract # : S2053
Title : **A new method for detection and monitoring of colonic carcinogenesis in a novel mouse model**
Authors : Valentin Becker, Florian Greten, Irina Kerle, Roland M. Schmid, Alexander Meining



Topic : NOTES
Abstract # : W1462
Title : **Feasibility of Sentinel Lymph Node Mapping with Confocal Laserscanning Microscopy via NOTES® Peritoneoscopy**
Authors : Stefan von Delius, Valentin Becker, Johanna Sager, Dirk Wilhelm, Armin Schneider, Christoph Schlag, Hubertus Feussner, Alexander Meining

General studies

Topic : Fluorescein dose
Abstract # : W1457
Title : **Determination of the Optimal Fluorescein Dose of Probe-Based Confocal Laser Endomicroscopy in Colonic Imaging**
Authors : Michael B. Wallace 1 , Anna M. Buchner 1 , Valentin Becker 2 , Alexander Meining

Topic : Image quality
Abstract # : T1169
Title : **Contrast Improvement in Probe-Base Confocal Laser Endomicroscopy (pCLE) By Use of a Low Fluorescein Concentration**
Authors : Carsten Schmidt, Andreas Stallmach

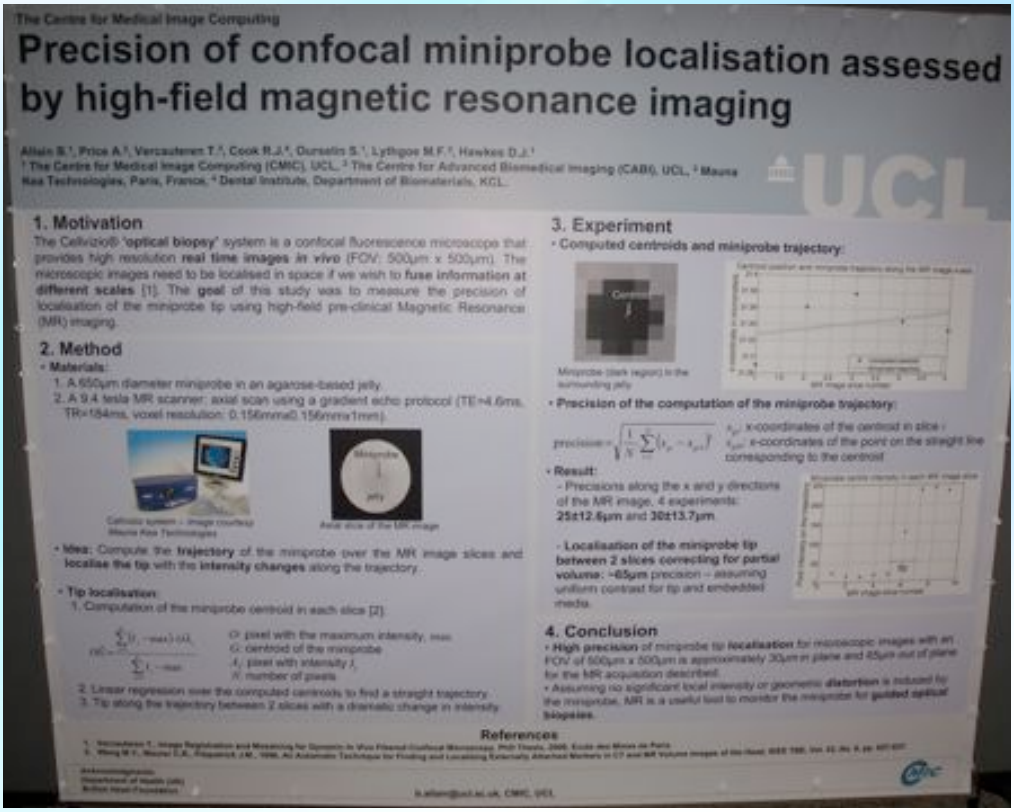
Topic : GI-GVHD
Abstract # : T1171
Title : **Miniprobe Confocal Laser Microscopy Imaging in Gastrointestinal Graft-Versus-Host Disease**
Authors : Stephan Miehlke, Daniela Aust, Renate Schmelz, Andrea Morgner, Martin Bornhäuser, Ahmed Madisch

Topic : Neoplastic mucosa identification
Abstract # : W1413
Title : **Accuracy and Inter-Observer Agreement in Identifying Neoplastic Gastrointestinal Mucosal Pathology By Probe-Based Confocal Laser Endomicroscopy (pCLE)**
Authors : Vien X. Nguyen, Cuong C. Nguyen, Jonathan A. Leighton, Shabana F. Pasha, Giovanni DePetris, Suryakanth Gurudu, Ananya Das

Poster presentations

Topic : Fluorescein safety
Abstract # : W1428
Title : **Safety of Intravenous Fluorescein for Probe-Based Confocal Laser Endomicroscopy (pCLE): a Multicenter Study**
Authors : Michael B. Wallace, Alexander Meining, Stephan Miehlke, Thomas Rosch, Heiko Pohl, Charles J. Lightdale, Bernard Filoche, David L. Carr-Locke, Emmanuel Coron, Jacques Moreau, Erwan Bories, Carsten Schmidt, Matthias Löhr, Paul Fockens

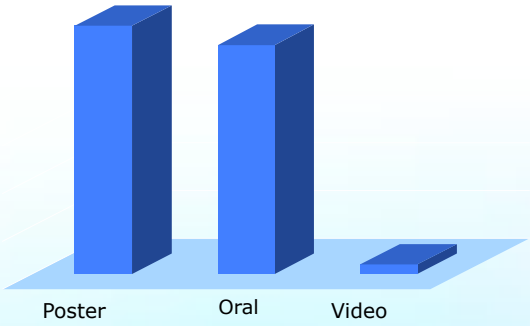
Topic : pCLE and MRI
Abstract # : W1438
Title : **Precision of Confocal Miniprobe Localisation Assessed By High-Field Magnetic Resonance Imaging**
Authors : Baptiste Allain, Anthony Price, Tom K. Vercauteren, Richard J. Cook, Sebastien Ourselin, Mark F. Lythgoe, David J. Hawkes



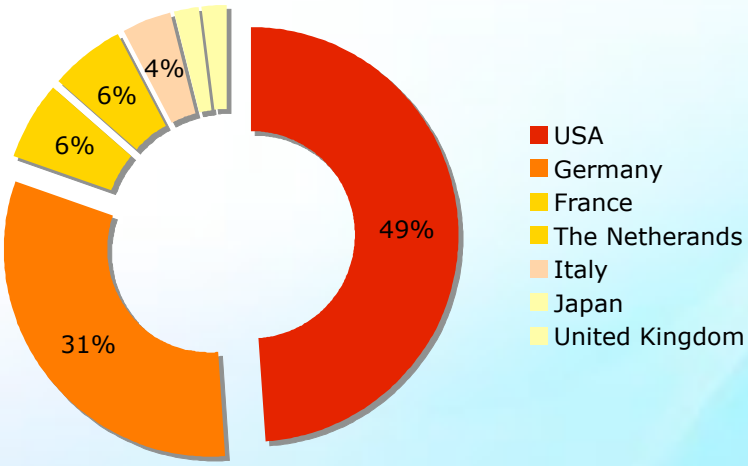
A few figures

More than 50 studies on Endomicroscopy

Communication types



Endomicroscopic studies per country



Endomicroscopic studies per application