

The Pituitary Society Presents the

NINTH
INTERNATIONAL
**PITUITARY
CONGRESS**

June 7-9, 2005

Loews Coronado Bay Resort • San Diego, California

FINAL PROGRAM



Supported by Genentech and Ipsen through unrestricted educational grants



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Shlomo Melmed, Los Angeles, CA, USA

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John Wass, Oxford, UK

Pituitary: *The Official Journal of the Pituitary Society*

Editorial Office

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USA

Welcome

The Pituitary Society Presents the



Dear Colleague,

Following a long-standing tradition, the Pituitary Society has organized the 9th International Pituitary Congress. This Congress will offer the opportunity for worldwide experts and fellows in training to gather in a quiet atmosphere in order to consider in-depth new findings and problems related to pituitary disorders. We are pleased that you will be joining us for a free exchange of ideas.

We on the Program Committee have selected a group of speakers of international stature that are currently addressing the most relevant basic and clinical problems in the pituitary physiology and disease. A new formula for the Hot Topics session, as well as a session on New Technological Advances, has been included. In addition, we will develop a set of Guidelines for Diagnosis and Management of Prolactinomas. We are sure you will enjoy this exciting Program.

Finally, we join with the officers and meeting organizers to thank Genentech and Ipsen for the unrestricted educational grants that will help support and make this meeting possible.

Welcome again to two days of excellent science and companionship.

Felipe Casanueva, (Spain)

Vivien Bonert, (USA)

David Clemmons, (USA)

Ken Ho, (Australia)

Paul Kelly, (France)

Symposia Schedule

Tuesday, June 7, 2005

5:30 pm – 7:30 pm

SESSION ONE

ENDOCRINE AND METABOLIC ACTIONS OF GHRELIN

Constellation Ballroom (2nd Floor)

Chairpersons:

Ariel Barkan (Ann Arbor, MI, USA)

Aart van der Lely (Rotterdam, Netherlands)

The Basic Physiology of Ghrelin - More Than Just a GH Secretagogue

Marta Korbonits (London, UK)

Novel Agonist and Antagonist Analogues of Ghrelin

Michael Culler (Milford, MA, USA)

Neuroendocrine and Peripheral Actions of Ghrelin

Ezio Ghigo (Turin, Italy)

Ghrelin as a Tool to Understanding Diabetes

Matthias Tschop (Cincinnati, OH, USA)

7:30 pm - 8:15 pm

Chairpersons:

Steven Lamberts (Rotterdam, Netherlands)

Alan Robinson (Los Angeles, CA, USA)

The Contribution of IGF-I to the Regulation of Somatotrophic Axis and Metabolism

Derek LeRoith (Bethesda, MD, USA)

9:00 pm

Welcome Fiesta

Commodore Ballroom (1st Floor)

Wednesday, June 8, 2005

7:30 am – 8:30 am

Continental Breakfast

Commodore Ballroom Foyer (1st Floor)

8:30 am – 10:30 am

SESSION TWO

PITUITARY FACTORS REGULATING AND DISRUPTING ENDOCRINE FUNCTIONS

Commodore Ballroom (1st Floor)

Chairpersons:

Günter Stalla (Munich, Germany)

Wylie Vale (La Jolla, CA, USA)

Adenohypophysis Formation in Zebrafish

Matthias Hammerschmidt (Freiburg, Germany)

Pituitary Cell Differentiation

Jacques Drouin (Montreal, Quebec, Canada)

Mechanisms and Biomarkers of Endocrine Disruption at the Hypothalamo-pituitary Unit

Manuel Tena (Cordoba, Spain)

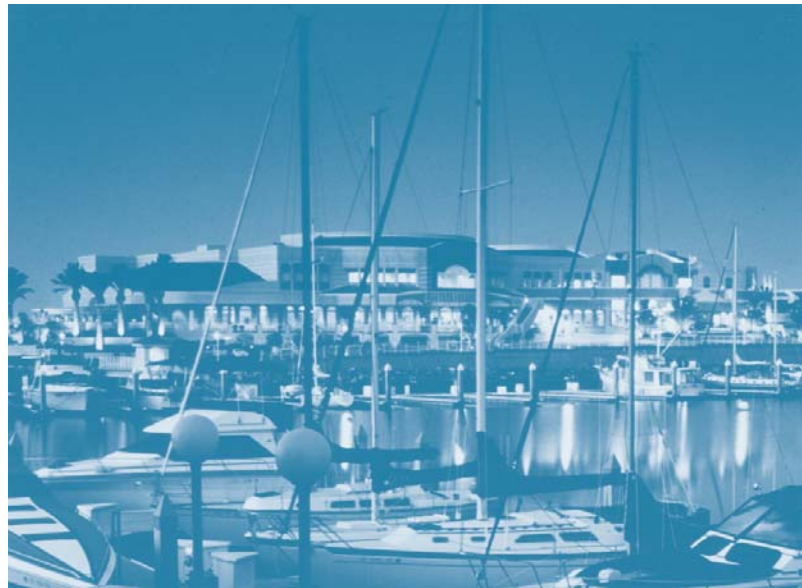
GPR54, KIS 1, and GnRH Function

Nicholas De Roux (Paris, France)

10:30 am – 11:30 am

Poster Viewing and Coffee Break

2nd Floor





11:30 am – 2:30 pm

CONCURRENT SESSIONS (lunch provided)

▲ Guidelines for the Diagnosis and Management of Prolactinomas

Commodore Ballroom

Chairpersons:

Felipe Casanueva (Santiago de Compostela, Spain)

Andrea Giustina (Brescia, Italy)

Short Presentations:

Janet Schlechte (Iowa City, IA, USA)

Paul Kelly (Paris, France)

Roger Abs (Antwerp, Belgium)

John Wass (Oxford, UK)

Rudolf Fahlsbuch (Erlangen, Germany)

David Kleinberg (New York, NY, USA)

Mark Molitch (Chicago, IL, USA)

Annamaria Colao (Milan, Italy)

Break out groups for discussion

Group 1 - Commodore Ballroom

Laura De Marinis (Rome, Italy)

Monica Gadelha (Rio de Janeiro, Brazil)

Group 2 - Constellation A (2nd Floor)

Eleni Dimaraki (Evanston, IL, USA)

Sonia Gaztambide (Barakaldo, Spain)

Group 3 - Constellation B (2nd Floor)

Yona Greenman (Tel Aviv, Israel)

Fahretin Kelestimur (Kayseri, Turkey)

OR

▲ New Technological Advances:

Britannia/Cambria (2nd Floor)

Chairpersons:

Rolf Gaillard (Lausanne, Switzerland)

Agnes Schonbrunn (Houston, TX, USA)

- **Use and Interpretation of Gene Chip/RNA Expression Microarray Data**

Lisa White (Houston, TX, USA)

- **Exploring Brain Circuitry with Viral Transneuronal Tracing: Applications, Limitations and New Opportunities**

J. Patrick Card (Pittsburgh, PA, USA)

2:30 pm – 4:30 pm

SESSION THREE

PITUITARY TARGETS AND TUMORS

Commodore Ballroom (1st Floor)

Chairpersons:

Laurence Katznelson (Stanford, CA, USA)

Susan Webb (Barcelona, Spain)

The Molecular Basis for Growth Hormone Action in Growth

Michael Waters (St. Lucia, Australia)

Transgenic Models for Pituitary Tumors

Ines Donangelo (Los Angeles, CA, USA)

Are Pituitary Tumors More Common Than Previously Thought?

Albert Beckers (Liege, Belgium)

Advances in Treatment of Cushing's Disease

Francesco Cavagnini (Milan, Italy)

4:30 pm – 5:00 pm

Poster Viewing and Coffee Break

2nd Floor

5:00 pm – 7:00 pm

SESSION FOUR

THE EXPANDING ROLES OF THE IGF-I COMPLEX

Commodore Ballroom (1st Floor)

Chairpersons:

Francesco Minuto (Milan, Italy)

Christian Strasburger (Berlin, Germany)

Measurement and Standardization of IGF-I Complex Measurement

Georg Brabant (Hanover, Germany)

The GH/IGF-I Response to Exercise and Exercise Training. Effect of Age, Regional Distribution of Fat and Sex Steroids

Arthur Weltman (Charlottesville, VA, USA)

(continued on next page)

Symposia Schedule

SESSION FOUR (Continued)

New Aspects on the Use of IGF-I as Treatment

David Clemmons (Chapel Hill, NC, USA)

IGF-I and the Eye

Fatima Bosch (Barcelona, Spain)

7:30 pm

Cocktail Reception

Commodore Ballroom (1st Floor)

8:30 pm

Gala Dinner Celebrating the 20th Anniversary of Recombinant GH Therapy

Commodore Ballroom (1st Floor)

Thursday, June 9, 2005

7:30 am – 8:30 am

Continental Breakfast

Commodore Ballroom Foyer (1st Floor)

8:30 am – 9:30 am

Presentation of the Prolactinoma Guidelines Draft

Commodore Ballroom (1st Floor)

Felipe Casanueva (Santiago de Compostela, Spain)

Andrea Giustina (Brescia, Italy)

9:30 am - 11:00 am

Hot Topics

Commodore Ballroom (1st Floor)

Chairpersons:

Paolo Beck-Peccoz (Milan, Italy)

Lawrence Frohman (Chicago, IL, USA)

Hypermethylation and Reduced Expression of SOCS-1 in Pituitary Adenomas

Rolf Buslei (Erlangen, Germany)

Somatostatin Analogues Stimulate p27 and Inhibit Mitogen-activated Protein Kinase (MAPK) in Human Pituitary Tumours

Marta Korbonits (London, UK)

Identification of Novel Candidates for Pituitary Tumorigenesis

Lynette Cary (Aurora, CO, USA)

Epithelial Growth Factor Receptor (EGF-R) Activation Induces Pituitary Tumor Transforming Gene (PTTG) Expression in Murine Pituitary Folliculostellate Tt/GF

George Vlotides (Los Angeles, CA, USA)

Estrogen and Selective ER Modulators Regulate GH Signaling Through Distinct Mechanisms

Kin-chuen Leung (Sydney, NSW, Australia)

Down-regulation of PRKARIA Gene in the Development of Pituitary Adenomas in the GHRH Over-expressing Mice

Dalia Batista (Bethesda, MD, USA)

11:00 am - 11:45 am

Commodore Ballroom (1st Floor)

Chairpersons:

Beverly Biller (Boston, MA, USA)

Phillipe Jaquet (Marseille, France)

Neuroendocrine Function and Metabolism During Sleep and During Sleep Deprivation

Eve Van Cauter (Chicago, IL, USA)

12:00 Noon

Adjourn

Prolactinomas Steering Committee

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Antwerp, Belgium

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Iowa City, IA, USA

Luis Sobrinho

Lisbon, Portugal

John Wass

Oxford, Oxon, UK

Poster Session

Cushing's Syndrome and the Corticotrope Axis

LOCATION: Aurora

Poster #	Author	Title
1	Heald, AF	Comparison of Quality of Life in Patients with Treated Pituitary Cushing's and Nelson's Syndrome vs. Adrenal Cushing's
2	Suzuki, M	ACTH and Alpha Subunit (SU) Co-expression in the Same Human Pituitary Corticotroph Cell Adenomas: Rare Trans-cell Lineage Functional Differentiation
3	Rollin, GAFS	Transsphenoidal Pituitary Surgery in Cushing's Disease
4	Suzuki, M	A Case of Cushing's Disease Caused by Pituitary Double Adenomas with Concomitant GH and ACTH Product
5	Heald, AH	A Cross-sectional Study to Investigate Long-term Cognitive Function in People with Treated Pituitary Cushing's Disease
6	De Marinis, L	Evaluation of GH Secretion after Long-term Remission of Cushing's Disease
7	van der Hoek, J	Somatostatin Analog Therapy in Cushing's Disease?
8	Faggiano, A	Sulfur Amino Acid Unbalance in Cushing's Disease: Insight in Homocysteine and Taurine Levels in Patients with Active and Cured Disease
9	Pivonello, R	Progressive Increase of Cardiovascular Risk in Patients Cured from Cushing's Disease
10	Klose, M	Evaluation of the 250 Microgram ACTH Test - Is There a Need for Gender Specific Reference Ranges?
10a	Sobrinho, LG	Cyclic Cushing's Followed-up for 12 years
11	Lindsay, JR	ACTH Measured by Immunoradiometric Assay (IRMA) Offers Similar Diagnostic Accuracy Compared with Radioimmunoassay (RIA) During the Differential Diagnosis of Cushing's Syndrome
11a	Kennedy, L.	Circulating Adiponectin in ACTH-dependent Cushing's Syndrome, Acromegaly, and Control Subjects

Prolactin and the Prolactinomas

LOCATION: Britannia/Cambria Foyer

12	Mangupli, R	Prolactinomas in Children and Very Young Patients – Clinical Presentation and Long Term Therapy of 19 Cases
13	Minematsu, T	Prop-1 Overexpression and Prolactin-producing Pituitary Adenomas: Studies on Human Pituitary Adenomas with Real Time RT-PCR and Prop-1 Transgenic Mice
14	Oneto, A	Prolactin (PRL) Response to Thyrotropin – Releasing Hormone (TRH) in Patients with Macroprolactinemia
15	De Marinis, L	Long-Term Outcome of Neurosurgery vs. Dopamine Agonists in the Treatment of Microprolactinomas
16	Popii, V	Effects of Tamoxifen and Raloxifene on Prolactin Gene Expression and Secretion in GH4 Cells
17	Rangi, J	Mental Status Changes and Hypertension: Two Possible Fatal Side Effects of Cabergoline

Acromegaly and the Somatotrope Axis

LOCATION: Constellation Foyer North

18	Barnett, P	Treatment Outcomes in 76 Patients with Acromegaly 10 Years After Diagnosis
19	Liu, Q	Receptor Signaling and Endocytosis are Differentially Regulated by Somatostatin Analogs
20	Carreira, MC	Adenosine Does Not Bind to the Ghrelin Receptor (GHS-R1a) but Uses Part of Its Intracellular Route
21	Katakami, H	Suppression by Anesthesia of Plasma Intact Ghrelin Levels and GH
22	Gedik, VT	Predictive Role of Preoperative IGF-1 on Operative Outcome of Patients with Acromegaly
23	Fahlbusch, R	Improving Results of Transsphenoidal Surgery in Acromegaly by Intraoperative Magnetic Resonance Imaging?
24	Katakami, H	Detection by a Novel and Ultrasensitive Enzyme Immunoassay of Pulsatile hGH Secretion in Spontaneous Dwarf Rats with Targeted Expression of hGH-transgene to the Pituitary
25	Unger, N	Somatostatin Receptor Analysis in Pituitary Adenomas
26	Cukiert, A	Effects of Octreotide-LAR Withdrawal in Acromegalic Patients Treated by Primary or Secondary Radiotherapy
27	Resmini, E	Dissociation Between Antiproliferative and Antisecretive Effects of Octreotide LAR in Acromegaly: In Vivo and In Vitro Study
28	Curto, L	Simultaneous Coexistence of GH-Secreting Pituitary Adenoma, Meningioma and Carotid Artery Aneurysm
29	Cukiert, A	Intrasellar Internal Carotid Aneurysm Coexisting with a GH-Secreting Pituitary Adenoma in an Acromegalic Patient
30	Petersenn, S	Primary Therapy of Acromegaly with Somatostatin Analogues-Analysis of the German Acromegaly Register
31	Zatelli, MC	Dopamine and Somatostatin Receptor Expression Influences SRIF Analogs Effects on Pituitary Adenomas In Vitro
32	Zatelli, MC	SRIF Receptor (SSTR) 1 and SSTR5 Agonists Differentially Affect GH-secreting Pituitary Adenomas
33	Mercado, M	A Prospective, Multicenter Study to Investigate the Efficacy, Safety and Tolerability of Sandostatin® LAR® in the Primary Therapy of Patients with Newly Diagnosed Acromegaly

Acromegaly and the Somatotrope Axis (con't.)**LOCATION: Sovereign**

Poster #	Author	Title
34	Nugaram, R	Acromegaly with Empty Sella
35	Secunza, N	High Morbi-mortality and Reduced Quality of Life in Acromegaly
36	Astruc, B	Octreotide LAR and Lanreotide Autogel Have Different Pharmacokinetic Profiles
37	Mantovani, G	CyclicAMP/PKA Signalling and Cell Proliferation in Non-secreting and GH-secreting Pituitary Adenomas
38	Learned-Miller, E	Early Diagnosis of Acromegaly by Facial Pattern Recognition
39	Schmid, HA	Regulation of Ghrelin Secretion by Somatostatin Analogues in Rats
40	Fainstein, DP	Acromegaly Due to Ectopic Production of GHRH by a Metastatic Carcinoid Tumor
41	Gadelha, MR	Medical Therapy of Acromegaly with an Octreotide Subdermal Implant
42	Fleseriu, M	Lack of Significant Immunostaining for Growth Hormone (GH) in Patients With Acromegaly
43	Bronstein, M	Brazilian Experience in the Treatment of 250 Acromegalic Patients with Sandostatin® LAR®
44	Gadelha, M	Observational Study for Evaluation of QoL of Acromegalic Patients in Use of Sandostatin LAR
45	Paisley, AN	Pegvisomant Interference in Growth Hormone (GH) Assays Results in Underestimation of GH Levels
46	Kim, SW	Acylated ghrelin secretion is suppressed during OGTT or ITT irrespective of basal GH secretion
47	Mercado, M	A Prospective, Multicenter Study to Investigate the Efficacy, Safety and Tolerability of Sandostatin® LAR® in the Primary Therapy of Patients with Newly Diagnosed Acromegaly
48	Caron, Ph	Pregnancy Outcome after Somatostatin Analogue (SMSa) Treatment of Acromegalic Women

Hypopituitarism**LOCATION: Lenore**

49	Dutta, P	Suprasellar Tubercular Abscess Presenting as Panhypopituitarism
50	Di Somma, C	2-year GH Replacement in Young Adult Patients with GH Deficiency: Gender Difference in Bone Status
51	Burt, MG	Perturbation Of Whole Body Protein Metabolism In Cushing's Syndrome And Growth Hormone Deficiency
52	Shimatsu, A	Isolated Adrenocorticotrophic Hormone Deficiency Presenting with Recurrent Severe Hypercalcemia
53	Fatih, T	Evaluation of Pituitary Functions in Survivors of Traumatic Brain Injury: A Prospective Study
54	Liu, JK	Clinical Significance of Sphenoid Sinus Mucosal Thickening in Pituitary Apoplexy
55	Sekhar, RV	Short- and Long-term Effects of Low Dose Growth Hormone (GH) Replacement on Glucose Metabolism in Growth Hormone Deficient (GHD) Adults
56	Dutta, P	Nontumoral Hypopituitarism of Childhood
57	Sathivageeswaran, M	Improvement of Cognitive Function in Elderly Growth Hormone Deficient Patients Treated with Growth Hormone: A Placebo-controlled 12-month Study
58	Dusick, JR	Acute Hormonal Changes after Traumatic Brain Injury
59	Kelly, DF	Neurobehavioral Impact of Growth Hormone Insufficiency after Moderate or Severe Traumatic Brain Injury
60	Dutta, P	Wegner's Granulomatosis Presenting as Diabetes Insipidus
61	Cukiert, A	Hyponatremia After Transsphenoidal Procedures for Pituitary Adenoma

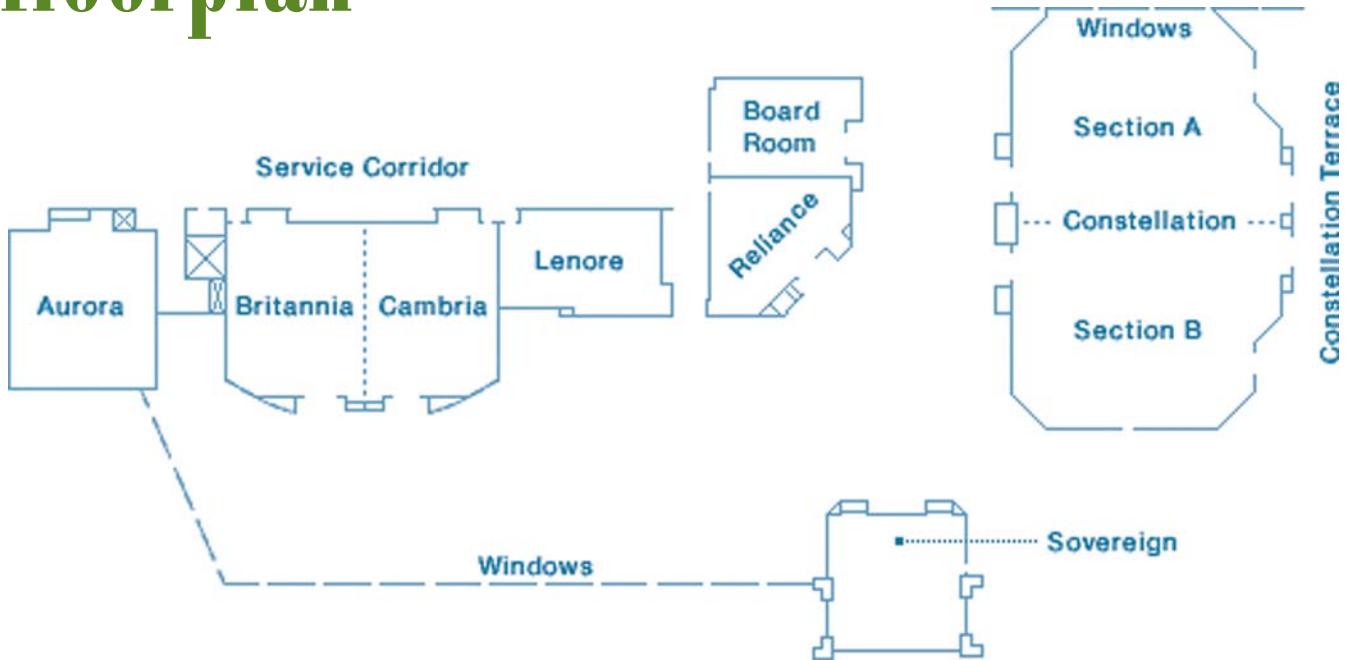
New Methodology – Epidemiology**LOCATION: Constellation Foyer South**

62	Daly, A	A Multicenter Collaborative Study to Measure the Prevalence of Pituitary Disease: Methodology and Preliminary Findings
63	Ferone, D	Rapid Visual Recovery with Hyperbaric Oxygen Therapy in Patient Presenting Delayed Radiation-induced Optic Neuropathy after Stereotactic Radiosurgery for Pituitary Adenoma
64	Bonneville, JF	3.0T MRI of the Pituitary Gland
65	Krisht, AF	Surgical Cures in Cavernous Sinus Secreting Pituitary Adenomas
66	Gnanalingham, KK	Quantitative Assessment of the Time Course of Recovery in Visual Field Following Transphenoidal Surgery for Pituitary Adenomas: Predictive Factors for a Good Outcome
67	Revill, K	Characterization of the Ribosomal S6 Kinase Alpha 2 (RSK) Gene in Pituitary Tumours
68	Cruz-Soto, ME	PTTG is Required for Murine Pituitary Cell Cycle Progression

Other Pathologies**LOCATION: Aurora**

69	Casagrande, A	Long Term Control of Hyperthyroidism with Octreotide-Lar 20 mg Treatment in a Pituitary TSH-Secreting Adenoma
70	Katz, D	Thyrotropin-Secreting Pituitary Adenoma Cosecreting Growth Hormone: Two Clinical Cases
71	Stalldecker, G	Silent Plurihormonal TSH-Secreting Pituitary Macroadenoma. A Case Report
72	Chuang, E	Need for Periodic Pituitary Imaging in Patients with MEN 1 Syndrome
73	Heald, AH	Natural History of Non-Functioning Pituitary Adenomas Managed Conservatively at a Neuroscience Centre
74	Mattozo, C	Endonasal Transsphenoidal Surgery for Residual Endocrine-inactive Pituitary Macroadenomas
75	Miranda, PAC	Involvement of Renin-angiotensin System in Hyperglycemic Response to Different Models of Stress
76	Surya, S	Craniopharyngioma: Outcome and Quality of life – A Single Center Study

floorplan



Cushing's Syndrome and the Corticotrope Axis	<i>Aurora</i>
Prolactic and the Prolactinomas	<i>Britannia/Cambria Foyer</i>
Acromegaly and the Somatotrope Axis	<i>Constellation Foyer North/Sovereign</i>
Hypopituitarism	<i>Lenore</i>
New Methodology - Epidemiology	<i>Constellation Foyer South</i>
Other Pathologies	<i>Aurora</i>

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