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| **Saturday, April 8, 2017** |
| 08:00am – 08:50am |  | Dr. Karen Becker, Dr. Barbara Royal |
| **In-Practice Nutrition**How addressing species-appropriate nutrition and treats in medical practice can help not only improve patient outcomes, but also increase relaxed in-hospital animal-human interactions, increase client satisfaction and loyalty, improve compliance and increase return visits, decrease stress and increase job satisfaction for vets and staff. How to incorporate nutrition into office visits and create a healthy situation for all bottom lines. |
| 09:00am – 09:50am |  | Dr. Karen Becker, Rodney Habib |
| **AAFCO and Pet Food Labels**AAFCO and Pet Food Labels: Basic requirements for food, labeling. Why are pet food labels so confusing? What a pet food label tells about the food inside and what it doesn’t. What are the important parts of a label to assess its ability to maintain health? |
| 10:00am – 10:50am |  | Dr. Karen Becker |
| **The History of the Pet Food Industry**The current food choices that are available and their benefits and risks. What health sequelae occur with inappropriate food choices and specific food/nutrient excesses and deficiencies? Case studies and current industry research. |
| 11:00am – 11:50am |  | Steve Brown |
| **Epigenetic Inheritance**Maximizing the genetic and nutritional health potential of dogs and cats. Creating foods that can improve the future generations of animals based on genetics. How nutrition influences genetics. Natural compared to sterile environments for pets. How to properly provide probiotics and health-building nutrition for puppies and kittens. Overview of shelf life, shelf life in freezers, proper handling of meat based foods. Practical advice.  |
| 12:00pm – 12:15pm |  | Dr. Barbara Royal, Dr. Karen Becker |
| **Managing the Overweight and Underweight Pet** *– Lunch will be Provided*Practical hints and medical concerns in dealing with pets that are not at their optimal weight. What is a scavenger? Should pets be allowed to free feed? How to remedy conditions for animals that are overfed but have poor nutrition. The top 8 tips for dog weight loss and what are the top 8 tips for cat weight loss. Unexpected conditions affected by weight. How did we create an epidemic of overweight animals? How fast can a dog or cat lose or gain weight? |
| 01:00pm – 01:50pm |  | Dr. Karen Becker, Steve Brown |
| **Description and Function of Macro-Components of Pet Food Diets**Protein, Fat, Carbohydrates: How to properly assess their content from labels. How to calculate the carbohydrate content from a label where it is not included. Pet food standards, agencies involved, (AAFCO, NRC, FDA, etc.) useful specific background, and information about fresh foods and ancestral diets.  |
| 02:00pm – 04:00pm |  | Dr. Karen Becker, Steve Brown |
| **What Can Go Wrong with Fresh Food Diets?**Balance Matters. Why most vets disapprove of homemade and raw diets. Why balanced foods are important and a practical method to recognize imbalances in a diet. How to manage different feeding systems. \*10 minute hourly breaks will be given |
| 04:10pm – 5:00pm |  | Dr. Karen Becker, Steve Brown |
| **Panel Q&A and Case Presentations**Show and tell for specific types of foods and nutrients, knowing what is normal in ingredients and condition.  |

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| **Sunday, April 9, 2017** |
| 08:30am – 10:30am |  | Dr. Karen Becker, Dr. Barbara Royal |
| **Medical Concerns and Assessment of Currently Available Treats, Chews and Toys** What medical problems are associated with treats, chews and toys? How to assess safety, sourcing, function and content in treats. How to make healthy treats/pill pockets for pets. Practical advice on using (or avoiding) treats to help manage weight, health and dental condition. Best and healthiest ingredients, additions, and feeding tip to entice appetite. Treats/chews to avoid. \*10 minute Hourly Break will be given. |
| 10:40am – 12:15pm |  | Dr. Karen Becker, Rodney Habib |
| **Current Research Involving Longevity and the Prevalence of Life Shortening Diseases in Pets**What are the causes of health and longevity? Current research, who is studying this and why, and what are results.  |
| 12:30pm – 01:20pm |  | Dr. Karen Becker, Dr. Barbara Royal |
| **Fatty Acids: Trends, Products and Current Health Issues – Lunch will be Provided** Will radiation affect fish oils? What about heavy metals in fish oils. What is hemp oil used for. Why do FAs degrade when stored |
| 01:30pm – 03:20pm |  | Dr. Karen Becker, Steve Brown |
| **Interactive Diet Formulation Lab**Using a state of the art pet food formulation program, work through different ingredients, diet requirements, macro and micronutrient needs and formulate balanced diets. What are likely food-based sources for macro and micronutrients? How to best source ingredients and use them in a food. What specific health conditions might require specialized macro or micronutrient content? How to adjust ingredients to meet needs, deficiencies and excesses during formulation. \*10 minute Hourly Break will be Given |
| 03:40pm – 5:00pm |  | Dr. Karen Becker, Steve Brown |
| **Analyzing Pet Food Labels, Case Study Review**Final questions on nutrition cases. Summary and resources for further study |