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## Complex Medical Technology and Health Care Reform Issues Discussed at LOPC

By Lou Fancher

t the Jan. 4 First Friday Forum A lecture in the Lafayette-Orinda Presbyterian Church sanctuary, life science start-up expert and innovator Thomas Loarie paraded through the quagmire of advancing medical technology and health care reform.

Acknowledging the complexity of his subject, the Mercator MedSystems, Inc. executive chairman said he had a "gift" for working with young doctors to develop breakthrough

Forty years of experience and 20 credence to his claim. In an industry where only 80 percent of start-up companies survive and a high perwalking wounded," Thomas described his work as "a roller coaster ride."

#### **New Products**

Sparking interest in the approximately 100 people in attendance, Loarie introduced three products his companies are developing: an implantable catheter that delivers medicine directly to the site of disease; an e-system for tracking and managing timely consumption of medicine; and a "lab on a chip" that tests blood and sends the results to a doctor.

"We talk about the cost of healthcare, but little is discussed about the rewards and the benefits," he said, suggesting a more balanced dialogue is needed.

#### **Driving Forces**

One of the primary drivers increasing healthcare concerns is an aging population, not just in the United States, but globally. With 20 percent of our GDP invested in health care, our country tops the list and despite government's increasing investment over the last 40 years, trouble spots exist.

A graphic map of the U.S. showed California in a hot yellow shade; indicating a state where high costs result in people forgoing care.

"Chronic diseases are 70 percent of the health spending as of 2007. And oral health is the number one money grabber," Loarie declared, sounding amazed by his own statis-

With congestive heart failure, diabetes, depression and a list of longterm illnesses filling out the top of his chart, Loarie said recent legislative out of doctors' pockets, he promised, medical products hospitals purchase.

"This has tremendous implica-

#### tions," he warned. **Off-Shoring**

Loarie loaded responsibility for a congested product development pipeline and the flight of med tech companies to foreign countries squarely in the lap of the U.S. Food and Drug Administration.

medical devices on the market lent knowledge outside of the U.S. because of what is going on in Washington," he claimed.

By forcing drug testing clinical centage of those are referred to as "the trial processes on an engineeringbased industry, Loarie said FDA reg-US government wants to stop me, I can't do it here. But I have to do it somewhere."

> Increasingly, "somewhere" means China, a country that has declared its intention to be the world leader in medicine by 2020, or India, where medical tourism is flourishing and product development is rapid and economical.

> "China doesn't need the latest and greatest devices. Heart valves are now off patent and they'll be coming back to the U.S. with lower cost devices in just a few years. India has a hand held ultrasound device created using frugal innovation. These things will find their way into the health care market as good, less expensive solutions.

#### **Back at Home**

Hospital mergers, "value committees" instead of doctors or clinicians making decisions about care, concierge services and retail pharmacies expanding into health care clinics the future of health care delivery.

hospitals. The money will not come are on Loarie's what-to-expect list.

"Our world leadership will but from reductions or changes in the erode," he predicted. "Capital venture funds are depressed or have disappeared in the last four years. The 'FDA creep' means I have to spend six million dollars to get ready for an IPO. I could find a cure for cancer, market it, and no one would invest. Health reform is a wild card."

#### **Questions and Answers**

Expectedly, audience concerns "We have transferred a body of centered on costs and mortality rates. With increasing costs and lower life expectancies running cross patterns on many of Loarie's graphics, several people asked for an explanation.

"What we spend on the first year and the last six months of life—we do ulations pushed him to think, "If the heroic things and no other country does that, so there's a spike there,"

> Hospitals contribute to the problem, with specialization meaning little flexibility in approach and extreme measures taken where the chance of survival is low.

> Chronic diseases, patients not taking medicine on time, and social problems like poverty and gang violence all push mortality rates—and medical bills—to astronomical levels. Litigation has not only increased costs, according to Loarie, but has stalled or eliminated product innova-

> "It's not just the lawsuit, it's the potential for litigation that limits a product," he said.

> Ending his presentation, Loarie said closed systems, where doctors are not paid according to the number of procedures they do and services are centrally located, are the best hope for

### **Future First Friday** Forum Lectures at LOPC

Dr. Ahmad Ghoreishi will speak about U.S./Iran relations - past, present, and future - at 1:30 p.m. Friday, Feb. 1 in the Sanctuary; refreshments begin at 1 p.m. in the Fellowship Hall.



Photo provided

Additional monthly speakers include: Matt Walker, Secrets of the Sleeping Brain (March 1); Victor Gauthier, Update on the New Bay Bridge (April 5); Lynn Joiner, Changing China: A 35 Year Perspective (May 3); and Daniel Kammen, Green Energy = Money (June 7).

All lectures are free and open to the public.

# **Celebrating the Caregivers**

### Submitted by Siv Ricketts

ike many folks in Lamorinda, Liz Mesenbring and her family are learning to juggle their typical life activities while providing extra care and support for loved ones with special needs. Parkinson's and Alzheimer's have affected two grandmothers who currently live with significant medical and daily life concerns.

While it's challenging, stressful, frustrating, and sometimes even depressing, the Lafayette resident says her family recently coordinated a special gift this past December - arranging Grandma Dori Murdoch's visit with her husband and the rest of her family to the home she had lived in for the past 25 years, but hadn't seen for the past four months since moving to an assisted-living facility in San

"Both Grandpa Lex and Grandma Dori loved sitting in their kitchen and sharing a favorite homecooked meal with their beloved family gathered around them. It took nearly five people to make this possible, making sure medicines were organized, transportation on time, even a neighbor cheering Grandpa on that he could do it! "Mesenbring says.

Since this successful get-together, the family has planned more outings, Mesenbring says. "An aid at the assisted-living facility where she now lives lovingly helps us dress and

ready our grandma for trips home. Since Christmas we've already succeeded with a second trip home."

To make all of this work, changes needed to be made. Despite cherished traditions, it's become Grandpa Lex's job to coordinate the details of the mini-reunions - from transportation and care at home, to menu planning, shopping, and cooking assignments for favorite meals. "All family members have specific responsibilities, in addition to coordinating homecare for a dependent Nana on another branch of the family tree," Mesenbring says.

"Photographs show hugs and smiling faces, yet our everyday experiences are teaching that caring for aging parents, a chronically ill spouse, or even special needs children is a complicated challenge," she adds. "Besides providing quality care, finding ways to enjoy time with each other, or to recharge one's own energy, can sadly be rather difficult, if not isolating."

But Mesenbring says it's not all bad. "We're now comfortable savoring pies that come in cardboard boxes and aren't baked by a grandma," she says. "We're learning to transport wheelchairs, listen and accept stories that are forgotten mid-way through. rive at the table, and we regularly realign our expectations. Time with

both grandmothers has become more meaningful than ever, thanks to the helping hands of a few angels in our community, folks who make it possible to carve out moments when we can simply enjoy being together."

Mesenbring says getting help as a caregiver isn't always easy, nor is it easy to admit when you need help. "We're lucky to have support from the folks at the care home, as well as friends who've been open about their own experiences," she says.

Caregivers or anyone else seeking answers to questions about financial and legal considerations, transitions of care, and spiritual and emotional care of the caregiver are invited to an upcoming workshop, Caregiving: A Labor of Love, a Workshop for those Caring for Family Member, from 8:30 a.m. to 3 p.m. Saturday, Feb. 2 at the Moraga Valley Presbyterian Church at 10 Moraga Valley Lane. Keynote speaker, Dr. Karen Taylor, DDiv, wife/caretaker of a husband with early-onset Alzheimer's, and former Burton Valley music teacher, will share her journey to encourage and empower the caregiver from a biblical point of view. Lunch is included and registration is required.

To register, email MVPCdea-We toast dishes that sporadically ar- cons@gmail.com or for more information, visit www.mvpctoday.org or call (925) 376-4800.

### Submit stories and story ideas to storydesk@lamorindaweekly.com