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INDUSTRY AT A GLANCE

Financial

- Calif. hospital seeks Chapter 11 protection, USA

Research and Development

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- Increased risk of heart failure among childhood cancer survivors, USA
- DHA improves cognitive skills in children, USA
- Early vaccination minimises the risk of damage by potentially harmful infections, USA
- Restanza as an orphan drug for treating plague and tularemia, USA
- Medical Professionals urges families to get immunised against seasonal influenza, USA
- Damaged heart tissue is significantly reduced with supersaturated oxygen, USA
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- Children's Hospital converts to Masimo Rainbow SET Pulse CO-Oximetry technology, USA
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- Moorfields Eye Hospital partners with Hayati Healthcare, UAE
- Siemens Provide High-end Healthcare Solutions to Medanta, India

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- A Paradigm Shift in Ayurveda, India
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- Hospital for Sick by Kohinoor Group, India

KEY DEVELOPMENTS

Financial News

USA: Calif. hospital seeks Chapter 11 protection

Downey, California Regional Medical Centre has filed for Chapter 11 bankruptcy protection. The 181-bed hospital has had no cash reserves since March 2008, and lost about US\$20m annually over the past five years. A new management team took over the facility two years ago and in January began converting money-losing HMO and medical group contracts to PPO contracts. The hospital had about 32,000 captivated members in managed-care plans with five insurers, with a monthly fixed fee from all plans of more than \$3.5m in 2008. The hospital incurred a US\$25 million one-time charge to exit the capitation contracts. The 87-year-old community not-for-profit hospital has about 71,000 patient visits a year.

Research and Development

USA: Medicaid patients often lack preventive care

Medicaid beneficiaries with health conditions are not always receiving the preventive services as per the recent study. In analysing national survey data and interviewing state Medicaid Directors and Federal Officials, the Government Accountability Office (GAO) found that more than half of all Medicaid adults ages 21 to 64 were obese or had diabetes, high cholesterol, high blood pressure or a combination of these conditions, yet the receipt of some preventive services was low. The data also suggested that a lower percentage of Medicaid adults received preventive services than those with private insurance, and that many Medicaid children were not receiving well-child checkups. Nearly all state Medicaid programs said they covered cervical cancer screening and mammography, but less than a third covered intensive counselling for obesity or high cholesterol.

USA: Increased risk of heart failure among childhood cancer survivors

Heart failure can be difficult to detect and diagnose in adult survivors of childhood cancers since patients may not fit the typical demographic profile of heart failure patients. Childhood cancer survivors are likely to present with heart failure symptoms earlier in their adult life. Females, those who received both radiation and anti-cancer therapy are at greatest risk. Specific side effects of treatment and diseases are dependent upon the type of cancer treatment patients receive. It is critical for the public to become aware that there are populations at risk for heart failure outside of the traditional demographic, according to Dr. Douglas Mann, President, Heart Failure Society of America HFSA.

USA: DHA improves cognitive skills in children

Research has shown that children who were breast fed as infants have superior cognitive skills compared to those fed infant formula, and it is thought that this is due to an essential fatty acid in breast milk called docosahexaenoic acid (DHA). Now a new study has found that babies fed formula supplemented with DHA have higher cognitive skills than babies fed regular formula. The study, which used a more sensitive test of the babies' cognitive abilities and higher concentrations of DHA than previous research, was carried out by researchers at the Retina Foundation of the Southwest and the University of Texas Southwestern Medical Center. The study results clearly suggest that feeding infants formula supplemented with high concentrations of DHA provides beneficial effects on cognitive development. Furthermore, because infants who display superior performance on the means-end problem-solving task tend to have superior IQ and vocabulary later in childhood, it is possible that the beneficial effects of DHA extend well beyond infancy.

USA: Early vaccination minimises the risk of damage by potentially harmful infections

Recent data shows that the immune system of newborns is able to respond to a world full of antigens already at birth. Therefore, vaccines should be given as early in life as possible to minimise the risk of damage by a potentially harmful infection, says Prof. Dr. Claire-Anne Siegrist, Head of the Center for

Vaccinology and Neonatal Immunology, University of Geneva. Many parents would prefer to postpone the vaccination of their babies until these are older, by fear that their young immune system would be too weak or overwhelmed by the vaccines. In contrast, paediatricians insist that babies should be immunised as rapidly as possible after birth against the most dreadful microbes causing bacterial meningitis or whooping cough. These infections can cause irreversible damage or even kill the children.

USA: Restanza as an orphan drug for treating plague and tularemia

Advanced Life Sciences Holdings, Inc. announced that the United States Food and Drug Administration (FDA) has granted Orphan Drug Designation to Restanza(TM) (cethromycin), its novel, once daily oral antibiotic, for the prophylactic treatment of plague and tularemia. Both tularemia and plague are classified by the Centers for Disease Control as Category A Bioterrorism Agents, which is the highest priority classification. High-priority agents include organisms that pose a risk to national security because they can be easily disseminated or transmitted, result in high mortality rates and have the potential for major public health impact, might cause public panic and social disruption, and require special action for public health preparedness.

USA: Medical Professionals urges families to get immunised against seasonal influenza

The American Lung Association is intensifying its seasonal influenza public education initiative to urge families to get vaccinated as soon as possible. The Faces of Influenza campaign aims to ensure get immunised against seasonal influenza, which each year causes an estimated 36,000 deaths and over 226,000 hospitalisations from the virus and its related complications. The Faces of Influenza campaign, which includes expanded awareness initiatives nationally and in many major cities, supports the Centres for Disease Control and Prevention's (CDC) call to get vaccinated against seasonal influenza this and every year. "Seasonal influenza remains a serious concern, even with the presence of the 2009 H1N1 virus," said Norman Edelman, MD, Chief Medical Officer of the American Lung Association. Vaccination against seasonal influenza is the best protection against this annual disease.

USA: Damaged heart tissue is significantly reduced with supersaturated oxygen

Recent study results indicates that Cardiovascular Interventions demonstrate that an infusion of blood that is "supersaturated" with oxygen (SSO2) can reduce the amount of damaged heart muscle immediately following a life-threatening heart attack. "The benefit of this therapy increased with the scope of the heart attack," According to Gregg W Stone, MD, Professor of medicine at Columbia University. In the trial, the "supersaturated" oxygen was delivered via catheter directly to the area of the heart muscle affected by the heart attack. The size of the "infarct zone," or the amount of damaged tissue, was significantly reduced in the patients that received the "supersaturated" oxygen.

USA: Dramatic maternal weight loss prevents obesity in their children

Adolescent and young children of obese mothers who underwent weight-loss surgery prior to pregnancy have been found to have a lower prevalence of obesity and significantly improved cardio-metabolic markers when compared to siblings born before the same obese mothers had weight-loss surgery, according to the new research study. Obesity can lead to insulin resistance, cardiovascular disease and pregnancy complications and is a major contributor to causes of death in industrialised nations. Earlier, studies of obese pregnant women have shown that obesity and its co-morbidities can be transmitted to their children, which indicate that the intrauterine environment may determine whether a child at birth is already destined to become obese. According to John Kral, MD, PhD, of SUNY Downstate Medical Center in Brooklyn, NY, the study confirms that the intrauterine environment may be more important than genes and the post-natal environment when it comes to the association between maternal obesity and childhood obesity.

USA: Postpartum depression affects mother-infant relationship

The joys of motherhood for many women can also lead other new moms to experience postpartum depression and even worse. For these women contemplating taking their own lives, the mother-infant

relationship and development was a negative experience, with greater mood disturbances, cognitive distortions, low maternal self-esteem, negative perceptions of their effectiveness as a new parent and noticeably less responsiveness to their infants' cues. Those are the findings of a new two-year study by Ruth Paris, Ph.D, Assistant Professor of Clinical Practice at Boston University's School of Social Work. All the new mothers in the study suffered from depression, isolation and extreme difficulties in parenting infants. They responded to a series of pre-treatment questionnaires, self-report symptom inventories and parenting stress indices.

Technology

USA: Children's Hospital converts to Masimo Rainbow SET Pulse CO-Oximetry technology

Children's Hospital & Research Center Oakland has completed its system-wide conversions to Masimo Rainbow SET Pulse CO-Oximetry technology. Standardising to Masimo Rainbow SET makes Children's Hospital Oakland - the first children's hospital to pioneer new continuous non-invasive blood monitoring capabilities hospital-wide—allowing earlier and better clinical decisions without the intermittent pain and wait associated with drawing blood. By converting to Masimo Rainbow SET, Children's Hospital Oakland clinicians will gain all the benefits and Measure-Through Motion capabilities of Masimo SET pulse oximetry, along with the breakthrough innovation of the first-ever continuous and non-invasive hemoglobin monitoring (SpHb(TM)) technology. The ability to immediately detect and treat potentially life-threatening conditions earlier may help save lives and improve patient outcomes.

Mergers and Acquisitions

Sweden: Seattle hospital to become partner in doc group

Swedish Medical Center will become a joint-equity partner in the multispecialty physician group Minor & James Medical, under a new agreement. Both are based in Seattle. Two Swedish Medical Center physicians will serve on Minor & James' governing board, while the group's 72 physicians will retain control over clinical operations. The multispecialty medical group also will remain as a professional limited liability corporation. The financial terms of the deal were not disclosed. Bryan Mueller, Former Chief Operating Officer of Radia, a radiology and vascular surgery practice in Everett, Wash, will serve as Executive Director of Minor & James. According to Cal Knight, Swedish's President and CEO, the key goals are to enhance medical services in the community, reduce the cost of healthcare by sharing resources, and streamline processes.

Govt Regulations

Berlin: Urgent vaccine requirements for treating epidemic diseases

As a result of dominant media coverage of new epidemic threats such as swine influenza, other infection risks receive less public attention than they deserve. Infectious diseases with the most severe consequences continue to be old acquaintances such as tuberculosis, HIV/AIDS, malaria and hepatitis C. About six million people worldwide die of these diseases every year," says Professor Dr. Stefan H E Kaufmann, Director of the Max Planck Institute for Infection Biology in Berlin. New risks are often perceived as more critical than those that have been known for a long time; the latter tend to be pushed aside. Swine flu is a perceived threat in Germany at the present time, while tuberculosis, HIV/AIDS, malaria and hepatitis C are real threats.

Research and Development

Geneva: Road accidents, suicide and maternal conditions are leading causes of death

According to recent study of global patterns of death among people aged between 10-24 years of age has found that road traffic accidents, complications during pregnancy and child birth, suicide, violence, HIV/AIDS and tuberculosis (TB) are the major causes of mortality. Most causes of death of young people are preventable and treatable. The study, found that 2.6 million young people are dying each year,

with 97% of these deaths taking place in low- and middle-income countries. Young people are transitioning from childhood to adulthood - at the threshold of becoming productive members of society - yet they often fall through the cracks as per the study. It is clear from these findings that considerable investment is needed - not only from the health sector, but also from sectors including education, welfare, transport, and justice - to improve access to information and services, and help young people avoid risky behaviours that can lead to death.

Mergers and Acquisitions

UAE: Moorfields Eye Hospital partners with Hayati Healthcare

Moorfields Eye Hospital Dubai and Hayati Healthcare, the Middle East region's first ever dedicated Patient Financing company, have announced an agreement through which patients at Moorfields can access the financial services and benefits offered by Hayati. Hayati's financial services are designed for those without medical insurance or in cases where the medical insurance policy does not cover the treatment required, such as LASIK eye surgery or cosmetic surgery. Hayati Healthcare provides medical loans for elective and non-elective medical procedures which medical insurance companies do not cover and is now available for all forms of specialist eye treatment at Moorfields Eye Hospital, Dubai.

Investments

India: A Paradigm Shift in Ayurveda

Dr. Rajiv Vasudevan, CEO, of AyurVAID hospital opened a centre in Dharavi, as a part of hospital-chain expansion plan with the investment of Rs45m. Currently, AyurVAID has opened six hospitals in all, with the bed-strength totalling to 150. Dharavi hospital is opened to capture mass market since it is the hub for thousands of labourers involved in zari work and considering their working poor conditions, they peculiarly suffer from muscle and bone-joint problems, which 15-bed AyurSEVA treats very successfully. AyurVAID Hospitals makes use of the modern diagnostic tools of modern medicine and the curative practices of the traditional Ayurveda to treat their patients.

India: Fortis huge Investments on health care business

Fortis Healthcare and Wockhardt Hospitals recently announced the execution of a definitive agreement providing for purchase of eight operating hospitals and two hospital projects under construction. The purchase would be for Rs9090m and this includes Rs1900m towards capital work in progress for projects under construction. The business transfer is expected to be completed by end of December 2009 upon the fulfilment of agreed conditions precedent. The acquisition will enhance Fortis' footprint in Southern, Western and Eastern India, thereby strengthening the Fortis brand as one of the leading healthcare service providers in the country.

India: A New Medical College Hospital in Kochi

Gurudeva Charitable Trust (GCT), a non-profit organisation, has opened Sree Narayana Institute of Medical Sciences (SNIMS), a new generation medical college and Hospital with 350-bed in the coastal belt of Thrissur and Ernakulam district, providing all the speciality services. The group has plans to build dental and nursing colleges and paramedical courses. Also, in the agenda is to develop Ayurveda and other alternative medical systems. It plans to give free medical treatment to poor NRIs and road accident victims from the UAE who cannot afford the medical expenses in the UAE. The trust has raised Dh100 million for this project.

India: Siemens Provide High-end Healthcare Solutions to Medanta

Siemens Healthcare has entered into one of the largest technology partnerships in India to provide innovative imaging and IT solutions to Medanta-The Medicity, an upcoming 1,250-bed multi-super specialty healthcare institute in Gurgaon. It is one of India's largest multi-super specialty institutes. At Medanta, in addition to installing hi-end imaging products recently introduced in India, Siemens will also

launch a range of products for the first time in India. This includes SOMATOM Definition Flash CT scanner, Artis Zeego cathlab, ACUSON SC2000 ultrasound system and Biograph mCT, a PET-CT scanner. According to D Ragavan, Sector CEO for Healthcare, South Asia Cluster, Siemens Ltd, Medanta-The Medicity is one of the topmost facilities in this part of the globe.

Others

India: ISIC extends Network for 24x7 Health Line Service for Senior Citizens

'Peace of Mind', a unique 24x7 health line service by Indian Spinal Injuries Centre's (ISIC), has now been extended to other areas of South Delhi namely, Vasant Vihar, Munirka Enclave, Kishan Garh, Mahipalpur, etc. Earlier, this service was only restricted to the residents of Vasant Kunj. However, now, ISIC will also cater to the health concerns of senior citizens in the adjoining areas too. According to Major HPS Ahluwalia, Chairman, ISIC, in metropolitan life, not everybody get the opportunity to get regular health check-ups done, and it is the elderly population which suffers the most. Some times during prolonged sickness and old age, it becomes very difficult for them to visit the doctor/hospital all alone. Peace of Mind - 24x7 Health Line has been designed to cater to the health problems encountered by the senior citizens of South Delhi.

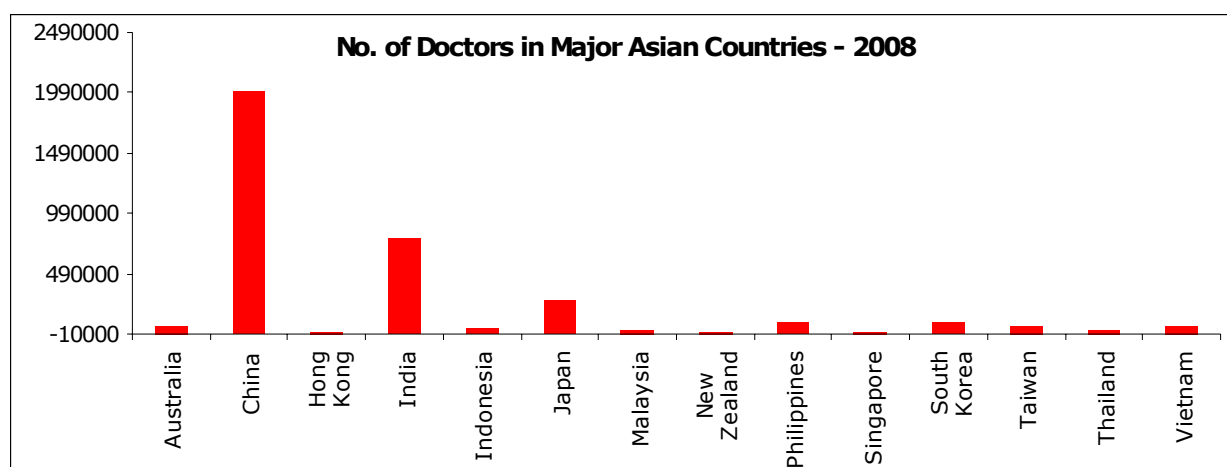
India: Hospital for Sick by Kohinoor Group

Mumbai-based Kohinoor Hospitals Private Limited is gearing up to open a super-specialty 175-bed hospital by December, 2009 with 100 beds in the first phase. The second phase with 75 beds will be operational subsequently. According to Dr. Unmesh Joshi, CMD, Kohinoor Group, Kohinoor Hospital will be one of its kinds 'hospital for the sick', and a recuperating centre for people needing medical supervision and aid. The hospital is being designed to get platinum rating under LEED certification for 'green building'. This hospital will have all the advanced diagnostics and critical care centres covered under Wi-Fi Zone.

INDUSTRY STATISTICS

Healthcare infrastructure in Asian region - 2008

Country	Population (in m)	No. of Hospitals	Hospital Beds	No. of Doctors
Australia	20	1291	82000	57000
China	1320	18700	3300000	2000000
Hong Kong	7	40	31937	8700
India	1097	7300	684000	780000
Indonesia	222	1200	133200	45000
Japan	127.7	106468	1800000	270371
Malaysia	26.6	346	50540	18250
New Zealand	4	158	24000	9000
Philippines	91	2484	106316	94000
Singapore	4.4	29	11545	5747
South Korea	49	2082	417500	93000
Taiwan	22.8	547	131152	50054
Thailand	63	1300	135000	19000
Vietnam	83	833	136000	50100
Source: Frost & Sullivan; Cygnus Research				



Source: Frost & Sullivan; Cygnus Research

PRODUCT FOCUS

Cosmetic (Plastic) Surgery Clinics

Introduction

To improve the confidence and quality of life among the people who are not good looking by birth or due to accidents, surgeons are attending to rectify to some extent through surgeries in hospital can be described as plastic surgery.



Necessity

Due to high industrialisation through out the globe, lot of environmental changes is occurring. These changes are some times genetically occurred and it leads deformities in the new born babies. Some times due to these high industrialisations, fire accidents also triggered deformity to the workers in that industry. All these deformities can be controlled to some extent through cosmetic (plastic) surgery and improve the confidence among these people. In addition to these, nowadays many people are beauty conscious and while changes in the economic status—many people are opting cosmetic surgery to improve their looks. These cosmetic surgeries are nowadays available in private beauty clinics in addition to hospitals.

Recuperation after Surgery

The length of time it takes to recuperate after cosmetic surgery varies depending on the procedure performed and the person operated on. Most patients will require assistance for the first two days. Then most patients are able to care for themselves, but may still need assistance if they have small children to care for.

Some of the most common body parts for beauty surgery

Breasts : Increase or reduce the size of breasts or reshaping
Ears : Reduce the size of large ears or set protruding ears
Eyes : Correct drooping upper eyelids or remove puffy bags
Face : Remove facial wrinkles, creases or acne scars
Hair : Fill in balding areas with one's own hair
Nose : Change the shape of the nose
Tummy: Flatten the abdomen

Eyelid Surgery - Usually can get around independently by the second day. With the use of sunglasses, may feel comfortable going out by day 3-4, and with makeup could return to work by 5-7 days.

Facelift Surgery - Usually can get around independently by the second day. Do not feel comfortable going out in public for 5-7 days. It requires 10-14 days before returning to work.

Breast Surgery - Usually can get around independently by the second day. Return to work at 5-7 days.

Liposuction-Usually can get around independently by the second day. One can return to work and normal activities in 5-7 days.

Abdominoplasty - Patients may take between 2-4 days before getting around independently. One can return to a desk job at 5-7 days, other jobs 10-14 days.

Major Surgery Clinics

All most all the cities and towns including state capitals, some of the major district capitals are having these clinical facilities. All the teaching hospitals, corporate hospitals, major charitable hospitals are conducting cosmetic surgeries. In addition to these, some beauty clinics are also taken care for cosmetic surgeries with the help of local plastic surgeons. The cost of these

Major Beauty clinics in India:

- Anoo's
- La belle
- VLCC
- Angels
- Bubbles

surgeries is different from patient to patient and clinic to clinic. Though the rates are different and costly, the prevailing rates are much lesser when compared with the developed countries like USA, Canada, etc. Many people from these countries are coming to India under medical tourism program.

Effects and Side Effects of Surgery

Plastic surgery is currently experiencing unprecedented popularity with continuing advancements of technologies for the diverse array of procedures. This has inevitably led to superior results with reduced complications and side effects, leading to a higher degree of customer satisfaction. Consequently, more and more people are feeling the immense benefits from improving their image through plastic surgery.

Benefits of Plastic surgery

- The great thing about plastic surgery is that the benefits can be both physical and emotional, both external and internal. For instance, to reduce breast size have little real health benefit and demand for them is based on vanity. It considerably reduced pain and discomfort and significantly improved quality of life.
- Whether a person opts to have surgery on their face, hips, breasts or thighs the aim is to sculpt the body in a way that looks natural, the physical and external benefits of plastic surgery can be multi-faceted.
- Facial rejuvenation procedures like face-lifts, facial implants, dermabrasion, chemical peels, and Botox injections can restore youthful appearance, and replenishing vitality.
- Surgeries like liposuction and breast reduction usually feel more comfortable in their clothes that their new bodies allow them to participate in physical activities that they wouldn't have considered before surgery.
- It can open new doors to people who have previously lived their lives sheltered. They find themselves participating in activities they never would have in the past such as swimming or aerobics, due to their renewed confidence.
- It will improve the lifestyle or to improve the look, there will always be emotional benefits when a person is finally able to feel comfortable.

Risk Factors due to Plastic Surgery

The number of people inclined to cosmetic surgery is increasing. Even when everyone is aware of risks and dangers of plastic surgery, more people are raring to go for such treatment. In modern scenario, due to regular inventions and innovations in science and technology, the field of cosmetic surgery has become safe. The attitude towards getting operated is becoming more open as discussing its all effects and risks and people are getting better educated.

It can be immensely dangerous to get exposed to the ill effects of plastic surgery but a thorough knowledge about dangers and risks of it is relaxing the patient. People of this modern world are prepared to take few risks in order to reap the benefits offered by plastic surgery. The risks of plastic surgery vary with person to person and the procedure of plastic surgery patient and surgeons opt for. Patients suffering from certain diseases like diabetics or heavy smokers are prone to the dangers of plastic surgery in aftermath situation

These are some of the common general risks and dangers associated with plastic surgery.

- **Bleeding** – Bleeding is pretty regular phenomenon for few hours following surgery and can sometimes results into complications.
- **Scarring**- it is one of the most common risk one should be aware of. It is closely related to suture reactions and wound healing capability. During the process of healing, a thickening of skin edge and formation of granular tissue can occur. For example, in tummy tuck operations it is beneath the swing wear line while in breast augmentation the incision lines are hiding under the crease of breast.

- **Necrosis** – It is a death of tissues due to insufficient supply of oxygen to the operated area. The risk is very rare in normal cosmetic surgeries but in plastic surgeries involving face lifts, breast reductions, tummy tucks, there is a possibility of Necrosis. It increases with sudden inflammation. Smokers are very prone to this possibility as blood vessel constriction and relatively less oxygen supply. It is generally treated in early stages by hyperbaric oxygen therapy.
- **Nerve Damage** – In very rare, extreme cases nerve damage can occur characterised by numbness and tingling sensation. Generally, the nerve damage can last not more than 1 year. Weakness or paralysis of certain muscles may be experienced if a nerve related to muscle movement is impaired. It can be treated with reconstructive surgery.
- **Adverse Reactions to Anesthesia** – risks due to use of anesthesia are very rare but nevertheless its hazards if occur are still there. The risks depend on the factors like healthiness and seriousness of surgery. Nausea is a common feature. Sore throat is also commonly experienced risk.

Indian Market Size

Cosmetic surgery in India is having unorganised market also. Most of the times, private beauty clinics will organise these surgeries in their clinics by the surgeons. Indian Cosmetic surgery and cosmetic medicine market is growing at a fast pace for last few years. Unlike markets of developed economies, India will continue to have more cosmetic surgeries and non surgical cosmetic procedures in 2009. This growing demand has had a positive impact on the Indian aesthetic or cosmetic surgery industry (that includes both invasive and non-invasive procedures), which registered a compound annual growth rate (CAGR) of 34% in terms of revenue generation in the period 2005-2007. The estimated size of the overall cosmetic surgery industry is worth US\$110m. Maximum revenue is contributed by surgical procedures as their costs are comparatively higher than the non-invasive procedures.

Outlook

The Indian aesthetic industry is still in its infancy and with the help of the active institutions in the same field, it needs to build on its image in order to attract more patients for cosmetic surgery. It is the individuals or the cosmetic surgeons who have over time worked persistently to create a name for them. An association of these surgeons with different institutions helps in positioning these institutions in the world of aesthetic surgery. This industry is expected to grow at the rate of 8% annually. It is due to an aging population, an increasingly competitive workforce will provide opportunities for the cosmetic surgery industry. Increasingly busy lifestyles, less invasive cosmetic surgery procedures that require little or no recovery time will experience the best growth.

COMPANY SCAN

Manipal Hospitals

Introduction

Manipal Hospital at Bangalore is a super specialty hospitals chain with more than 43 super specialty treatments wherein each of them is representing an independent institute. It was the first Indian multi-super specialty hospital to attain ISO certification for clinical, nursing, diagnostics and allied areas. It was

also the first ever recipient of the Golden Peacock National Quality Award. Manipal Hospital is one of the few centres in India where Mesenchymal Stem cells clinical trial

Manipal Heart Institute (MHI),
Manipal Institute for Neurological Disorders (MIND),
Manipal Institute of Nephrology and Urology (MINU),
Manipal Comprehensive Cancer Centre (MCCC),
Manipal International Institute of Dental Science (MIIDS),
Manipal Institute of Diabetes, Endocrine and Metabolic Disorders (MIDEM),
Manipal Andrology and Reproductive Service (MARS)
Manipal Hospital Diagnostics Services (MHDS)



and experimental therapy is done. Also, Manipal Hospital is one of the few Integrated Development Centres (IDC) in the world for GE. New GE coils and sequences are tested and validated at the hospital before release. Hospital's casualty is fully equipped to deal with all types of emergencies and has the full support of the Intensive Care Units (ICU) in their respective areas of expertise. Besides, the Bangalore system has three secondary care hospitals—Manipal Northside Hospital, Manipal Speciality Hospital and Manipal Tumkur Hospital, a chain of clinics in various corporate houses.

Key Statistics	
Particulars	Key Figures
Number of Beds	More than 7000
In patients	400000 Annually
Out Patients	1500000 Annually
Number of Doctors	More than 5000
Specialties	More than 43
Number of Consultants	More than 275

Strategy

Manipal Hospital, Bangalore has always been known for providing quality healthcare to patients. The formation of a dedicated quality management system four years ago also saw a series of formal recognition coming the hospital's way. Manipal Hospital with its sound system-based operations and structured process improvement programme, met all the criteria set by NABH. The whole accreditation process which had been developed and implemented in house by Manipal Hospital reflects the capability, depth of knowledge, effectiveness and management

Facilities at Manipal Hospital

- ✓ Over 275 consultants
- ✓ Over 1700 well-trained support staff
- ✓ Over 43 specialties
- ✓ Intensive Care Units
- ✓ Multi-Speciality Services Under One Roof
- ✓ Hi tech Ambulance Services
- ✓ Hi tech NABL Accredited Diagnostic Services
- ✓ Pharmacy – Free Home Delivery within 5 km Radius
- ✓ Blood Bank
- ✓ Accident & Emergency Services (Casualty)
- ✓ Paediatric Emergency
- ✓ Telemedicine
- ✓ Valet Parking Services to Accommodate over 250 Vehicles
- ✓ Out Patient Consultations on Sundays & Holidays
- ✓ Evening Out Patient Consultations
- ✓ Comprehensive Health Check Facility

commitment in driving an effective quality management system. Strong emphasis was laid on strengthening policies, procedures and protocols, reviewing performance through patient satisfaction, conducting audits and training the staff including clinicians, nursing, management and outsourced staff. They have a clinical audit review on a monthly basis the jury for which includes retired judges. Though

punitive measures are taken against offenders, primarily it is the cross audits and peer pressure which ensures that employees stick to ethics.

Health care packages

Different types of health care packages were introduced by the management to meet the demand of different income groups. In addition to these packages, add on module is also available. One can choose more segments to these schemes.

1. Manipal Routine Check
2. Manipal Comprehensive Check - (Under 40 Years)
3. Manipal Comprehensive Check - Above 40 Men
4. Manipal Comprehensive Check - Above 40 Women

Emergency Serves

In these hospital chains emergency services are unique. Each therapeutic segment has a special helpline number to facilitate easy access to the patients.

1. HIV & AIDS Helpline
2. Heart Helpline
3. Blood Bank
4. Paediatric Casualty
5. Kidney Helpline
6. Cardiac Care Unit
7. Diabetic Helpline

Education

This hospital chain has an international medical college at Kathmandu, Nepal for graduation and post graduation. It was recognised by the Kathmandu University, Nepal. Manipal offers undergraduate and postgraduate degree programs in the faculties of medicine, dentistry, nursing, pharmacy, allied health, besides other disciplines. Kathmandu University and Manipal have signed an agreement for an academic co-operation. The program under this co-operation seeks to prepare candidates who will pursue careers in clinical and academic medicine who will pursue careers in clinical and academic medicine and dentistry. The training experience of post graduate students at Manipal and other hospitals and institutions, both in Nepal and India, which will result in award of degrees by Kathmandu University, is a collaborative program that will provide significant benefits.

Manipal School of Nursing, Bangalore

Manipal School of Nursing started in 1992 as a part of Manipal Hospital to provide good and well-trained nursing staff. The main objective is “Global leadership in human development, excellence in education and health care.”

Clinical trials

Stem cell therapy for the treatment of damaged myocardium: Safety and efficacy study on Stem cell therapy for the treatment of Spinal cord injury; Therapeutic Angiogenesis for Patients with Limb Ischemia by Autologous; and Transplantation of Bone Marrow Stem Cells.

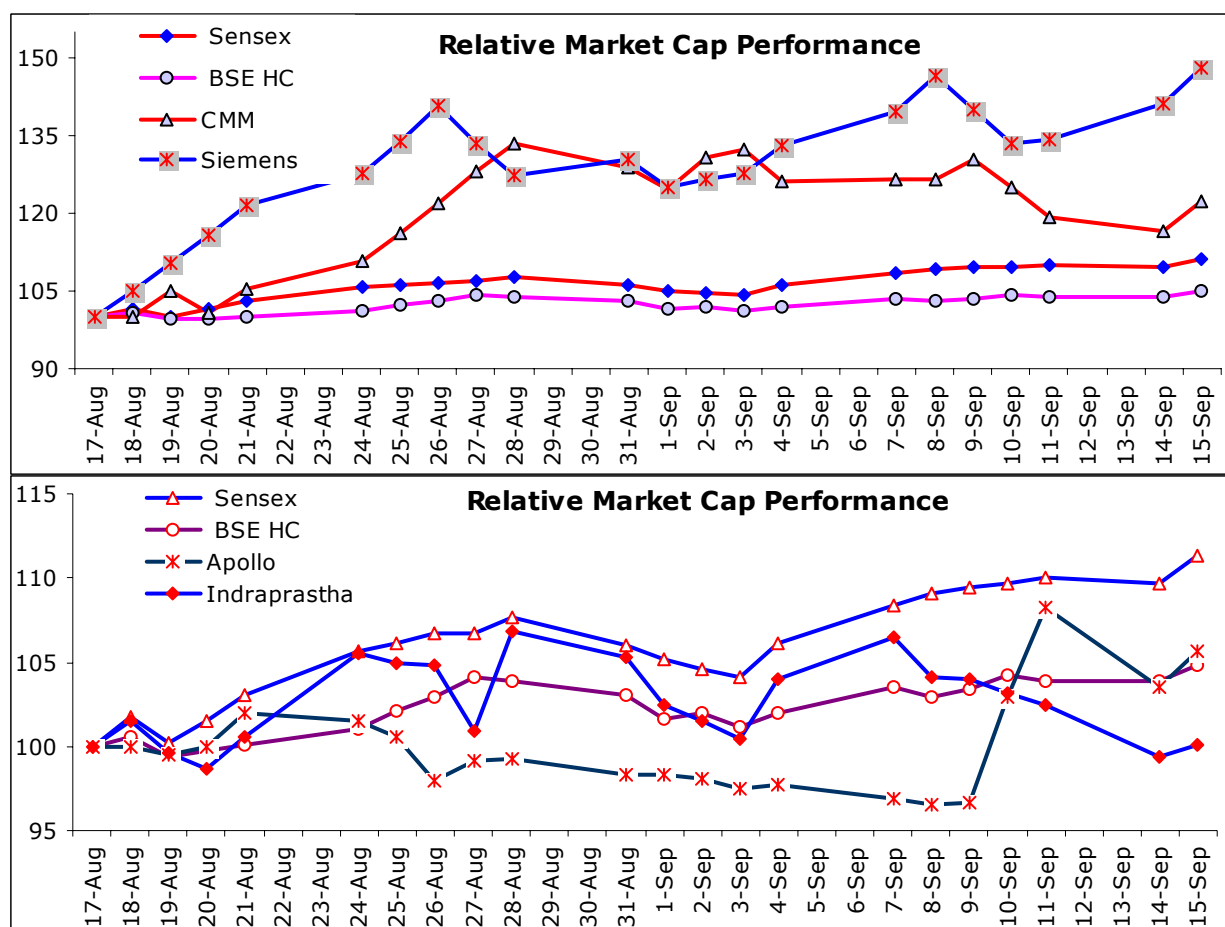
Foreign Shores

The success of Manipal Hospital has reached far and wide. The patients are from almost 40 countries. The Manipal International Patient Care is a service from India's first multi-speciality tertiary care Hospital to be certified ISO 9001:2000 by TUV Rhineland for all comprehensive protocols including clinical, nursing, diagnostics and allied areas. It serves as a single window for high quality medical services and personalised attention with an assurance of a comfortable stay for both patients and their families. For years, the Hospital has served a diverse group of patients—from overseas family members to visiting dignitaries and heads of state.

Outlook

In the years to come, plans are to indulge in super specialisations, like robotic surgery and interventional neuro-radiology, apart from setting up other units in various places across the country. It is also looking to expand activities like the outreach clinic programmes, telemedicine etc. Recently, the hospital has come up with three ambulances just for cardiac emergencies in the city suburbs. There are about 55 community development centres across the state, which are run by the Hospital management.

STOCK SCAN



Source: BSE India; Cygnus Research

	17 Aug-21 Aug	24 Aug-28 Aug	31 Aug-04 Sep	07 Sep-15 Sep
Sensex	Sensex ended on a positive note with an increase of 3.08% to 15,240.83 bps on increased capital inflow by funds as long-term investors looked to enter the market.	Sensex ended on a positive note with an increase of 1.88% to 15,922.34 bps as fund houses picked up stocks following strong global cues.	Sensex ended on a positive note by increasing slightly with 0.14% to 15,689.12 bps driven by bullish Asian markets and a strong start in European bourses.	Sensex ended on a positive note with an increase of 2.74% to 16,454.45 bps due to signs of US economic recovery added to the upbeat hopes for robust quarterly earnings.
BSE HC	During this week, the health care index has increased slightly by 5 points.	HC registered a growth of 108 points during this week.	During this week, BSE HC declined by 41 points.	HC registered a growth of 49 points during this week.

CMM	The share prices have increased by 5% during this week.	Share prices further increased by 20.5% during this week.	Share prices declined by 1.97% during this week.	Share prices declined by 3.41%.
Siemens	Share prices of the company have registered an increase of 21.53% during this week.	Share prices declined slightly by 0.2%.	The share prices have increased by 1.88% during this week.	Share prices further increased by 5.97%.
Apollo	Share prices have increased by 1.98%.	Share prices declined by 2.25% during this week.	Share prices declined slightly 0.71%.	The share prices have increased by 9.11% during this week.
Indraprastha	Share prices increased slightly by 0.54%.	Share prices have increased by 1.27% during this week.	Share prices declined by 1.27%.	Share prices declined by 5.91%.

UPCOMING EVENTS

1.	Event	Health & Lifestyle Expo
	Date	Oct 07-10, 2009
	Venue	Sydney Showground, Sydney, New South Wales, Australia
	Highlights	The Health and Lifestyle Exhibition will be a unique opportunity to target 25,000 sporting individuals under one roof. For exhibitors, it is a fabulous chance to showcase new products and services to like-minded individuals who take pride in maintaining a healthy lifestyle.
	Contact Details	The Intermedia Group Pty Ltd. Unit 39, 100 Harris, Pyrmont, Australia Tel: +(61)-(2)-96602113; Fax: +(61)-(2)-96604419
2.	Event	West African Health (WAH)
	Date	Oct 07-09, 2009
	Venue	The New Expo Centre, Ademola Street, PMB 12724, Lagos, Nigeria
	Highlights	West African Health (WAH) is an International healthcare event that plays a key facilitating role in the provision of health services and technology in the West African region. An international exhibition and conference that has found its niche as an important business to health forum for healthcare decision makers & solution providers.
	Contact Details	Global resources & Projects Nig. Ltd. 40, Adegbola Street, Anifowose, Lagos, Nigeria. Tel: +(234)-(1)-4800305; Fax: +(234)-(1)-2557542
3.	Event	Busan Health & Food Expo 2009
	Date	Nov 05-08, 2009
	Venue	Busan Exhibition & Convention Centre, Busan, Korea
	Highlights	Busan Health & Food Expo 2009 is a leading trade fair for the medical & agro industry. It focuses on fast tracking growing innovations within the health industry to enhance quality product and service delivery to meet international standards and to contribute efficiently to national development projects on health.
	Contact Details	Busan Exhibition & Convention Centre. 1291 Wu 2-dong, Haundae-gu, Busan, Korea. Tel: +(82)-(051)-7407300; Fax: +(82)-(051)-7407320
4.	Event	Body & Health Expo
	Date	Nov 06-08, 2009
	Venue	Messe Essen, Norbertstrasse D, Essen, Germany
	Highlights	Organised by Messe Essen GmbH at Messe Essen, Nordrhein-Westfalen, Germany, the Body & Health Expo, the Body & Health Expo is a leading consumer fair. It is 3 days event which will be attended by trainer, cosmeticians, hotel owners, physiotherapists etc. from around the globe.
	Contact Details	Messe Essen GmbH. Postfach, 100165, Essen, Germany Tel: +(49)-(201)-72440; Fax: +(49)-(201)-7244248

5.	Event	The Natural Health Fair
	Date	Nov 11-13, 2009
	Venue	Hong Kong Convention & Exhibition Centre, Wan Chai, China
	Highlights	The Natural Health Fair has confirmed its position as the leading international marketplace for the natural health industry in the region. The Natural Health Fair - now announcing its fourth edition - leads the trends, connecting the Asian and the global markets with a glittering and qualified exhibition, constantly growing from year to year, and with a targeted and insightful programme of professional seminars and workshops.
	Contact Details	CMP Asia Limited. 17/F, China Resources Building, 26 Harbour, Wanchai, China (Hong Kong S.A.R.). Tel:+(852)-(2827)-6211; Fax:+(852)-(2827)-7831/28029934
6.	Event	Anti-Aging Conference & Exhibition – Las Vegas
	Date	Dec 09-12, 2009
	Venue	Venetian Resort-Hotel-Casino, Las Vegas, United States of America
	Highlights	Anti-Aging Conference & Exhibition-Las Vegas will showcase many medicines and technologies that are at the cutting edge of this field and medicine in general.
	Contact Details	Tarsus Group Plc. 4th Floor, Metro Building, 1 Butterwick, Hammersmith, London, United Kingdom. Tel:+(44)-(20)-88462700; Fax:+(44)-(20)-88462801
7.	Event	Wellness & Fitness
	Date	Jan 21-24, 2010
	Venue	Bratislava Exhibition Ground, Bratislava, Slovakia
	Highlights	Wellness & Fitness is aimed for mainly health conscious individuals looking for knowledge and inspiration, wanting to find out more about the latest trends and get tips about new products and methods to lead a healthier life. The exhibitor will get in direct contact with active people with buying power that really care about their own and their family's health. He/She can inform, demonstrate and sell and get immediate response.
	Contact Details	Incheba Jsc. Incheba, A. S., Viedenska Cesta 7, Bratislava, Slovakia. Tel:+(421)-(2)-67272074; Fax:+(421)-(2)-67272254
8.	Event	Military Health Management
	Date	Jan 26-28, 2010
	Venue	Sheraton National Hotel, 900 S. Orme Street Arlington, Arlington, USA
	Highlights	Military health management is one of the most important issues facing the armed forces. Given that people are the most important resource in the United States military, it is an undisputed top priority to provide the highest quality of medical service and support to our men and women who serve.
	Contact Details	Worldwide Business Research. 535, Fifth Avenue, 8th, New York, United States Of America. Tel:+(1)-(888)-4826012; Fax:+(1)-(212)-8852798

9.	Event	Body Mind Life Expo 2010
	Date	Feb 27-28, 2010
	Venue	Minneapolis Convention Centre, Minneapolis, United States of America
	Highlights	The Body Mind Life Expo 2010 is the areas original, largest & most respected health and natural products expo. This trusted show features natural products, personal coaches, mainstream health care consultants, nutritional products, financial services, holistic health providers, fashion and beauty advice. The expo will be held on 07-08 March 2009 at Minneapolis Convention Centre.
	Contact Details	Mid-America Events & Expos, Inc. 350 W. Burnsville Parkway, Burnsville, United States of America. Tel:+(1)-(612)-7987256
10.	Event	Medical Device
	Date	Mar 04-05, 2010
	Venue	Puerto Rico Convention Centre, San Juan, United States of America
	Highlights	Medical Device is the island's most trusted source for education, innovation, and collaborative opportunities in the field of high-tech precision medical device manufacturing.
	Contacts	Reed ExhibitionsContact Person: 383 Main Avenue, Norwalk, United States of America. Tel:+(1)-(203)-8404800; Fax:+(1)-(203)-8404801
11.	Event	Tokyo Health Industry Show
	Date	Mar 17-19, 2010
	Venue	Tokyo International Exhibition Centre (Tokyo Big Sight), Tokyo, Japan
	Highlights	Tokyo Health Industry Show (THIS 2010) is by far the largest and most important exhibition and conference serving this rapidly growing market and attracts a huge audience of buyers and health industry professionals.
	Contacts	CMP Japan Company Limited. Kanda 91 Building, 1-8-3, Kaji-Cho, Chiyoda-Ku, Tokyo, Japan. Tel:+(81)-(3)-52961020; Fax:+(81)-(3)-52961010