



HEALTHCARE CONSULTANTS ASIA

Healthy Wealthy



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TABLE OF CONTENTS

- 01** About Us
- 02** Puasa Greetings
- 03** Puasa Greetings
- 04** Puasa Greetings
- 05** Oral and Maxillofacial Trauma in Malaysia
- 06** Types of Oral & Maxillofacial Trauma
- 07** Celebrating Love and Togetherness
- 08** Management of Oral and Maxillofacial Trauma in Malaysia
- 09** Management of Oral and Maxillofacial Trauma in Malaysia
- 10** Selamat Berpuasa from HCASB
- 11** Challenges in Malaysia and Prevention Strategies
- 12** About Article Author





ABOUT HCASB

Healthcare Consultants Asia (HCASB) is a trusted subsidiary of Mudah Healthcare. As experts in third-party medical reporting, HCASB specializes in providing detailed and comprehensive medical assessments that help streamline processes and ensure clarity in claims management.

With a panel of over 90 specialist doctors, HCASB is dedicated to delivering accurate and high-quality reports, offering valuable insights and supporting informed decision-making for our clients. Our reports foster fair, transparent resolutions, reinforcing the integrity and efficiency of the claims process.

HCASB is looking forward to continuing our commitment to excellence in medical reporting, making a meaningful impact on the success of our partners in the industry.



SELAMAT BERPUASA

As we embrace the holy month of Ramadan, I would like to extend my heartfelt wishes to our employees, partners, and clients.

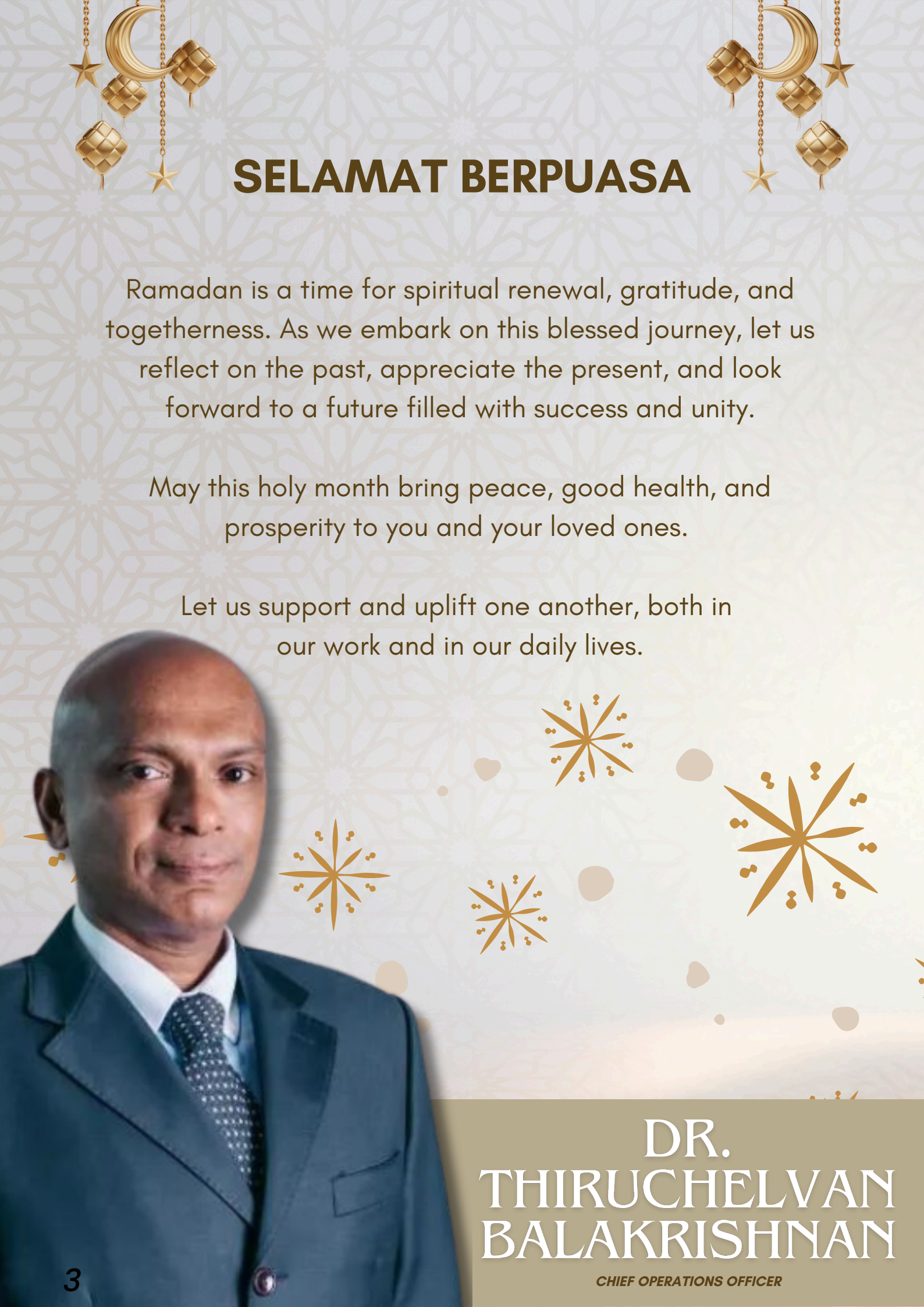
This sacred time reminds us of the values of patience, reflection, and gratitude, guiding us to become better individuals in both our personal and professional lives.

May this month bring blessings, strength, and renewed purpose to all of us. Let us continue to work together with compassion and dedication, striving for excellence in all that we do.



**DATO' DR.
KANTHA
RASALINGAM**

CHIEF EXECUTIVE OFFICER



SELAMAT BERPUASA

Ramadan is a time for spiritual renewal, gratitude, and togetherness. As we embark on this blessed journey, let us reflect on the past, appreciate the present, and look forward to a future filled with success and unity.

May this holy month bring peace, good health, and prosperity to you and your loved ones.

Let us support and uplift one another, both in our work and in our daily lives.



**DR.
THIRUCHELVAN
BALAKRISHNAN**

CHIEF OPERATIONS OFFICER



SELAMAT BERPUASA

As we welcome the holy month of Ramadan, I wish all our employees, partners, and clients a month filled with blessings, reflection, and kindness.

This is a time to practice patience and gratitude, to strengthen our bonds, and to embrace the values of compassion and generosity.

May this Ramadan bring blessings, joy, and success to all of us as we continue to grow together.



MR. RAYMOND NG

CHIEF FINANCE OFFICER

Oral and Maxillofacial Trauma in Malaysia

*By Dr. KATHIRAVAN PURMAL
Consultant Oral and Maxillofacial Surgeon*

OVERVIEW AND MANAGEMENT

Oral and maxillofacial trauma refers to injuries involving the mouth, jaw, face, and related structures. In Malaysia, such trauma is commonly caused by road traffic accidents, falls, sports injuries, interpersonal violence, and industrial accidents. The management of these injuries requires a multidisciplinary approach involving oral and maxillofacial surgeons, emergency physicians, dentists, and other healthcare professionals.

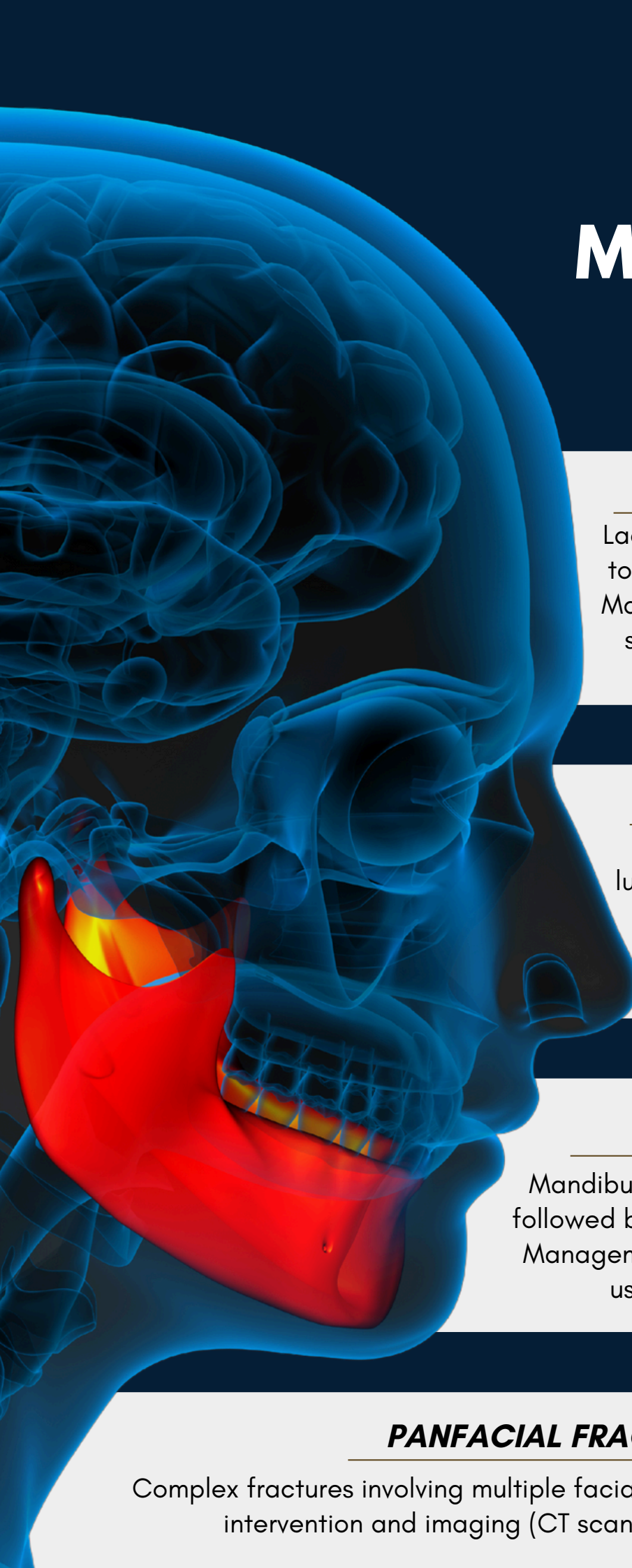
EPIDEMIOLOGY OF ORAL AND MAXILLOFACIAL TRAUMA IN MALAYSIA

COMMON CAUSES:

- ① **Road Traffic Accidents (RTAs):** A leading cause of maxillofacial injuries, particularly among motorcyclists who often do not wear helmets.
- ② **Falls:** Common among children and the elderly.
- ③ **Sports Injuries:** Increasing due to the popularity of contact sports.
- ④ **Interpersonal Violence:** Assaults and fights contribute to a significant number of cases.
- ⑤ **Industrial Accidents:** Workplace injuries, especially in construction and manufacturing sectors.

DEMOGRAPHICS:

Young adults, particularly males, are the most affected group due to their higher involvement in high-risk activities. Urban areas report higher incidences due to increased traffic and population density.



Types of Oral & Maxillofacial Trauma

SOFT TISSUE INJURIES

Lacerations, contusions, and abrasions to the lips, cheeks, tongue, and gums. Management involves wound cleaning, suturing, and antibiotics to prevent infection.

DENTAL INJURIES

Fractured, avulsed (knocked-out), or luxated teeth. Immediate management includes reimplantation of avulsed teeth, splinting, and root canal treatment if necessary.

FRACTURE

Mandibular fractures are the most common, followed by maxillary and zygomatic fractures. Management includes reduction and fixation using plates, screws, or wiring.

PANFACIAL FRACTURES

Complex fractures involving multiple facial bones. Requires advanced surgical intervention and imaging (CT scans) for precise reconstruction.



*Celebrating Love
and Togetherness*



Management of Oral and Maxillofacial Trauma in Malaysia

Initial Assessment and Stabilization:

- Primary Survey: Ensure airway, breathing, and circulation (ABC) are stable. Maxillofacial trauma can compromise the airway, necessitating intubation or tracheostomy in severe cases.
- Secondary Survey: Detailed examination of the face, mouth, and neck to identify all injuries.

1

Diagnostic Imaging:

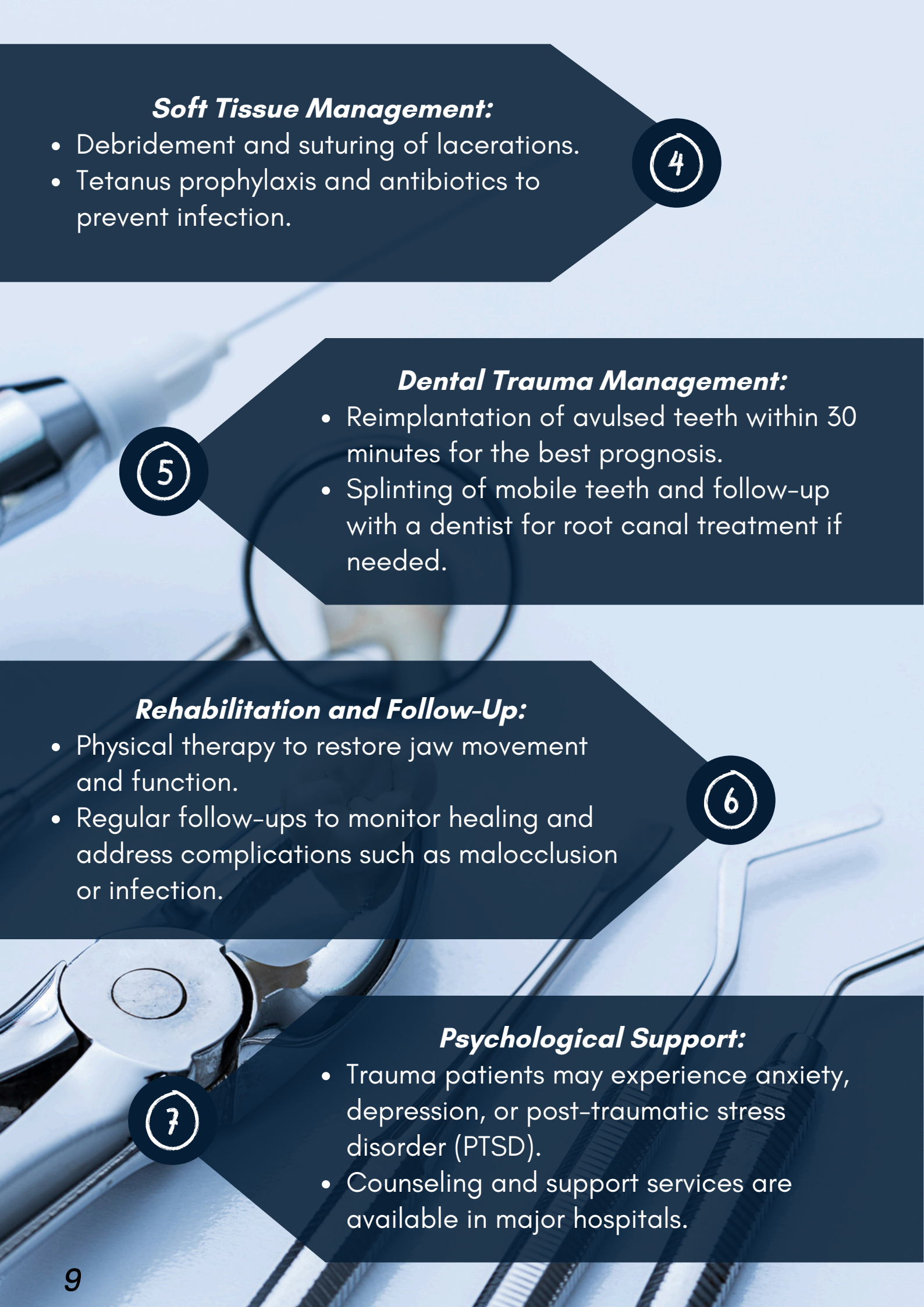
- X-rays, CT scans, and 3D imaging are used to assess the extent of bone and soft tissue damage.
- In Malaysia, government hospitals and major private healthcare facilities are equipped with advanced imaging technologies.

2

Fracture Management:

- Closed Reduction: For simple fractures, using wiring or intermaxillary fixation.
- Open Reduction and Internal Fixation (ORIF): For complex fractures, using titanium plates and screws.
- In Malaysia, ORIF is commonly performed in tertiary hospitals with specialized oral and maxillofacial surgery units.

3



Soft Tissue Management:

- Debridement and suturing of lacerations.
- Tetanus prophylaxis and antibiotics to prevent infection.

4

Dental Trauma Management:

- Reimplantation of avulsed teeth within 30 minutes for the best prognosis.
- Splinting of mobile teeth and follow-up with a dentist for root canal treatment if needed.

5

Rehabilitation and Follow-Up:

- Physical therapy to restore jaw movement and function.
- Regular follow-ups to monitor healing and address complications such as malocclusion or infection.

6

Psychological Support:

- Trauma patients may experience anxiety, depression, or post-traumatic stress disorder (PTSD).
- Counseling and support services are available in major hospitals.

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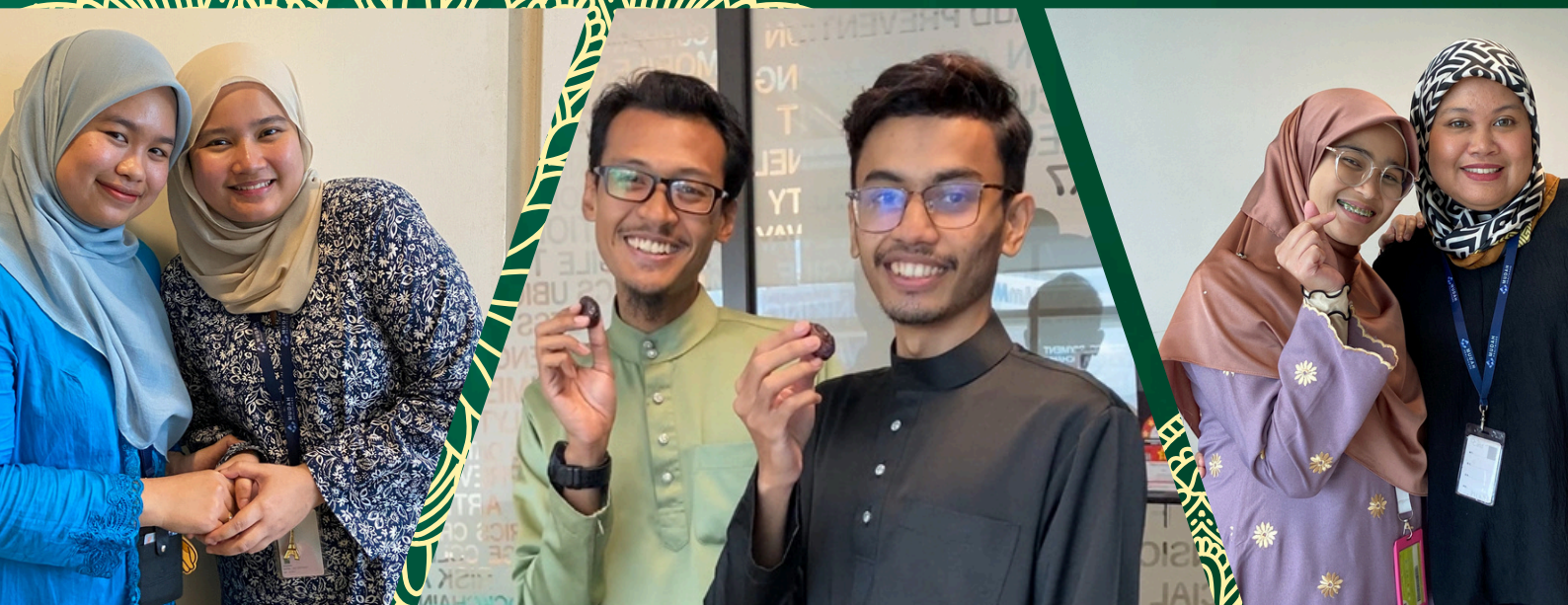


Selamat BERPUASA

Semoga anda dikurniakan kebahagiaan dan keberkatan yang berlimpah pada Ramadan ini.



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Challenges in Malaysia and Prevention Strategies

Oral and maxillofacial trauma is a significant public health issue in Malaysia, with road traffic accidents being the primary cause. Effective management requires a coordinated approach involving emergency care, advanced surgical techniques, and rehabilitation. While challenges such as access to care and cost remain, ongoing efforts in prevention and public education can help reduce the incidence and impact of these injuries.

CHALLENGES

Access to Care:

- Rural areas may lack specialized oral and maxillofacial surgeons, leading to delays in treatment.
- Government hospitals often have long waiting times for elective procedures.

Cost of Treatment:

- While government healthcare is subsidized, advanced treatments and implants can be costly in private hospitals.

Public Awareness:

- Lack of awareness about the importance of wearing helmets and seatbelts contributes to the high incidence of trauma.

STRATEGIES

Road Safety Campaigns:

- Enforcement of helmet and seatbelt laws.
- Public education on safe driving practices.

Workplace & Sports Safety:

- Implementation of safety protocols and use of protective gear in high-risk industries.
- Promotion of mouthguards and protective equipment in contact sports.

Community Education:

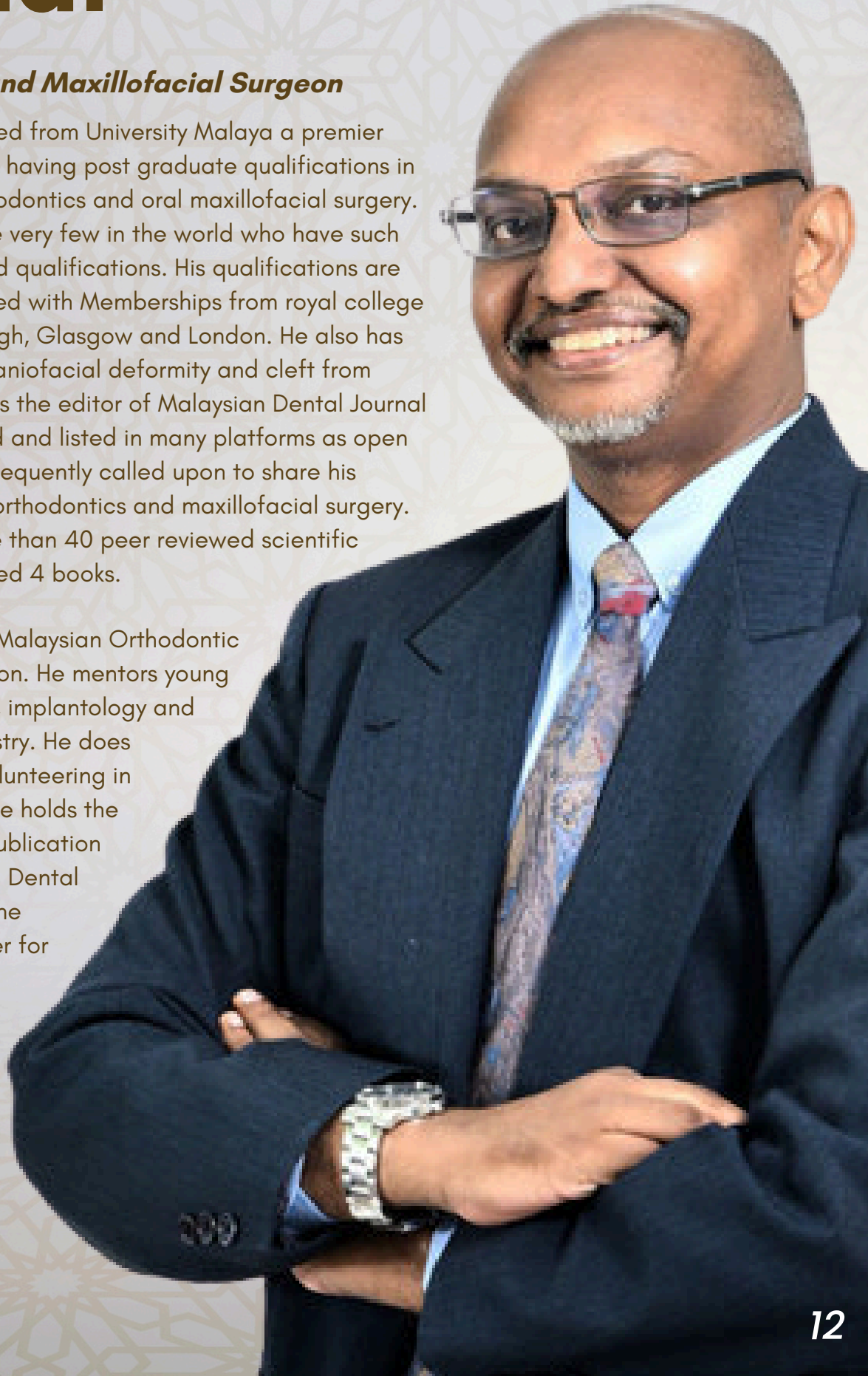
- Lack of awareness about the importance of wearing helmets and seatbelts contributes to the high incidence of trauma.

Dr. Kathiravan Purmal

Consultant Oral and Maxillofacial Surgeon

Dr Kathiravan graduated from University Malaya a premier university in 1993. He is having post graduate qualifications in general dentistry, orthodontics and oral maxillofacial surgery. Making him among the very few in the world who have such diverse experience and qualifications. His qualifications are international recognized with Memberships from royal college of surgeons in Edinburgh, Glasgow and London. He also has advance training in craniofacial deformity and cleft from University Malaya. He is the editor of Malaysian Dental Journal which is peer reviewed and listed in many platforms as open access journal. He is frequently called upon to share his expertise in implants, orthodontics and maxillofacial surgery. He has published more than 40 peer reviewed scientific articles and co authored 4 books.

He is the president of Malaysian Orthodontic Practitioners Association. He mentors young dentist in orthodontics, implantology and general surgical dentistry. He does charitable works by volunteering in Smile Asia activities. He holds the position of Honorary Publication Secretary in Malaysian Dental Association and also the National Liaison Officer for the FDI World Dental Federation. He has a keen interest in medicolegal matters, accident reports and second opinions pertaining to the field of dentistry, oral maxillofacial surgery and orthodontics.



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