

Cataract Cure Without Surgery

Over time, metabolic changes of the crystalline lens fibres lead to the development of a cataract, causing impairment or loss of vision. Some infants are born with congenital cataracts, and environmental factors may lead to cataract formation. Early symptoms may include strong glare from lights and small light sources at night and reduced visual acuity at low light levels. 57718be1bc

Herbert E. Kaufman discovery that the corneal endothelium was being damaged during cataract surgery as the cataract was removed and the artificial lens was placed into the eye Herbert Edward Kaufman (September 28, 1931) is an American ophthalmologist who discovered idoxuridine, the first clinically useful antiviral agent; co-developed with William Bourne the clinical specular microscope to

view the live corneal endothelium, co-developed timolol with Thomas Zimmerman, a new class of medications to treat glaucoma; corneal storage media for eye banks; natamycin, the first commercially available medication to treat fungal infections of the eye; co-developed with Tony Gasset the use of bandage contact lenses; and was involved in the first laser vision photorefractive keratectomy of the eye with Marguerite McDonald 57718be1bc

The entries in this timeline fall into the following categories: architecture, astronomy, cartography, metallurgy, logic, mathematics, metrology, mineralogy, automobile engineering, information technology, communications, space and polar technology. 57718be1bc TSPK may affect one or both eyes. When both eyes are affected, the tiny lumps found on the cornea may differ in number between eyes. The severity of the symptoms often vary during the course of the disease. The disease may appear to go into remission, only to later reappear after months or... 57718be1bc Ancient dentistry: The Indus Valley civilization (IVC) has yielded

evidence of dentistry being practised as far back as 7000 BC. An IVC site in Mehrgarh indicates that this form of dentistry involved curing tooth related disorders with bow drills operated, perhaps, by skilled bead crafters. 57718be1bc

Laser blended vision e Laser blended vision is a laser eye treatment which is used to treat presbyopia (ageing eyes; progressive loss of the ability to focus on nearby objects) or other age-related eye conditions. It can be used to help people that simply need reading glasses, and also those who have started to need bifocal or varifocal spectacle correction due to ageing changes in the eye. It can be used for people who are also short-sighted (myopia) or long-sighted (hyperopia) and who also may have astigmatism. same surgery as that was previously only designated for eyes with visually impairing cataract, however it is now performed in eyes without cataract (i 57718be1bc

Cataract surgery is the removal of the natural lens of the eye that

has developed a cataract, an opaque or cloudy area. 57718be1bc

Astigmatism Astigmatism may also occur following a cataract surgery or a corneal injury. Often it is present at birth, but it can change or develop later in life, and so can affect people of all ages. Contraction of the scar due to wound or cataract extraction causes astigmatism due Astigmatism is a type of refractive error due to rotational asymmetry in the eye's refractive power. Astigmatism can lead to symptoms that include eyestrain, headaches, and trouble driving at night. This gives distorted or blurred vision at any distance and requires corrective lenses that apply different optical powers at different rotational angles. The lens and cornea of an eye without astigmatism are nearly spherical, with only a single radius of curvature, and any refractive errors present can be corrected with simple glasses. In an eye with astigmatism, either the lens or the cornea is slightly egg-shaped, with higher curvature in one direction than the other. If it occurs in early life and is left untreated, it may result in amblyopia 57718be1bc

He performed his Medical Internship at Massachusetts General Hospital, and following that, he worked at the National Institutes of Health... The cause of astigmatism is unclear, although it is believed to be partly genetic. The underlying mechanism involves an irregular curvature of the cornea and protective reaction changes in the lens of the eye, called lens astigmatism, that has the same mechanism as spasm of accommodation. Diagnosis is both objective (by an eye examination... == 7000 BCE ==

Noor Hisham Abdullah Religious Council (MAIWP) and built the MAIWP Cataract Surgery Centre in Selayang that offers free cataract surgery for underprivileged patients as compared Noor Hisham bin Abdullah (né Yew Ming Seong; born 21 April 1963) is a Malaysian retired civil servant as well as breast and endocrine surgeon. Prior to the appointment, he served as the Deputy Director General of Health (Medical) from February 2008 to March 2013. He was the Director-General of Health and President of Malaysia Medical Council from

March 2013 to his retirement in April 2023 57718be1bc

== Etymology == 57718be1bc == Symptoms and signs ==
57718be1bc Primarily the treatment is for a condition called presbyopia. Laser Blended Vision can be achieved through laser eye surgery, usually performed as LASIK, although surface laser eye surgery PRK or LASEK can be used to produce the effect. Laser Blended Vision works by increasing the depth of field of each eye through subtle changes in the optics of the corneal spherical aberration. The increase in depth of field allows for the eyes to be corrected in such a way that the dominant eye is set for distance and intermediate vision while the non-dominant eye sees best in the intermediate to near range. Because of the similarity in the visual performance of each eye in the intermediate range the brain is...
57718be1bc A patient with TSPK may complain of blurred vision, dry eyes, a sensation of having a foreign body stuck in the eye, photophobia (sensitivity to bright light), burning sensations and watery eyes. On inspection with a slit lamp, tiny lumps can be found

on the cornea of the eye. These lumps can be more easily seen after applying fluorescein or rose Bengal dye eye-drops. The lumps appear to be randomly positioned on the cornea and they may appear and disappear over a period of time (with or without treatment).

The act of performing surgery may be called a surgical procedure or surgical operation, or simply "surgery" or "operation". In this context, the verb "operate" means to perform surgery. The adjective surgical means pertaining to surgery; e.g. surgical instruments, surgical facility or surgical nurse. Most surgical procedures are performed by a pair of operators: a surgeon who is the main operator performing the surgery, and a surgical assistant who provides in-procedure manual assistance during surgery. Modern surgical operations typically require a surgical team that typically consists of the surgeon, the surgical assistant, an anaesthetist (often also complemented by an anaesthetic nurse), a scrub nurse (who handles sterile equipment), a circulating nurse and a surgical technologist, while... Of the different types of glaucoma, the most common are called open-angle glaucoma and

closed-angle glaucoma. Inside the eye, a liquid called aqueous humor, which is produced by the ciliary body, helps to maintain shape and provides nutrients. The aqueous humor normally drains through the trabecular meshwork. In open-angle glaucoma, the drainage is impeded, causing the build up of aqueous to accumulate in the anterior chamber causing the pressure inside the eye to increase. This elevated pressure can reduce vascular perfusion in the vitreous... 57718be1bc He began his Princeton University education at age 16, where he graduated Phi Beta Kappa and Magna Cum Laude with a degree in chemistry. This was followed by medical school at Harvard University. Kaufman Graduated in 1956 Magna Cum Laude and Alpha Omega Alpha. He received the New England Pathology Society Award for developing a new type of calcium stain for histological tissue preparation. 57718be1bc The word plastic in plastic surgery refers to the concept of "reshaping" and comes from the Greek πλαστική (τέχνη), plastikē (tekhnē), "the art of modelling" of malleable flesh. This meaning in English is seen as early as 1598. In the surgical context, the word "plastic" first... 57718be1bc TSPK

patients may also exhibit punctate epithelial erosions. 57718be1bc

Thygeson's superficial punctate keratopathy The causes of TSPK are not currently known, but details of the disease were first published in the Journal of the American Medical Association in 1950 by American ophthalmologist Phillips Thygeson (1903–2002), after whom it is named. Cataract & Refractive Surgery Today: 21–23. The Treatment of Thygeson's Superficial Punctate Keratitis;. Kobayashi A, Yoshita T, Sugiyama K, Miyashita Thygeson's superficial punctate keratopathy (TSPK) is a disease of the eyes 57718be1bc

History of cataract surgery It is one of the most common and successful surgical procedures in worldwide use, thanks Cataract surgery has a long history in Europe, Asia, and Africa. Surgical techniques that have contributed to this success include microsurgery, viscoelastics, and phacoemulsification. It is one of the most common and successful surgical procedures in worldwide use, thanks to improvements in techniques for cataract removal and

developments in intraocular lens (IOL) replacement technology, in implantation techniques, and in IOL design, construction, and selection. Cataract surgery has a long history in Europe, Asia, and Africa 57718be1bc

== Scientific career == 57718be1bc

Plastic surgery This kind of surgery focuses on restoring a body part or improving its function. contributions to early plastic and cataract surgery and is widely regarded as a foundational figure in reconstructive surgery. Reconstructive surgery covers a wide range of specialties, including craniofacial surgery, oral and maxillofacial surgery, hand surgery, microsurgery, and the treatment of burns. In contrast, cosmetic surgery (or aesthetic surgery) focuses solely on improving the physical appearance of the body. It can be divided into two main categories: reconstructive surgery and cosmetic surgery. Roman physicians in the 1st century Plastic surgery is a surgical specialty involving restoration, reconstruction, or alteration of the

human body 57718be1bc

Hisham Abdullah was a leading figure in Malaysia's response to the COVID-19 pandemic as well as the key figure... 57718be1bc

Timeline of Indian innovation Cataract surgery: Cataract surgery was known to the Indian physician Sushruta (3rd century CE). In India, cataract surgery was performed Timeline of Indian innovation encompasses key events in the history of technology in the subcontinent historically referred to as India and the modern Indian state. centuries CE 57718be1bc

Glaucoma phacoemulsification cataract surgery for open-angle glaucoma and visually significant cataract: one-year results". The word glaucoma comes from the Ancient Greek word γλαυκός (glaukós), meaning 'gleaming, blue-green, gray'. 34 (3): Glaucoma is a group of eye diseases that can lead to damage of the optic nerve, which transmits visual information from the eye to the brain. Journal

of Cataract and Refractive Surgery. A major risk factor for glaucoma is increased pressure within the eye, known as intraocular pressure (IOP). It is associated with old age, a family history of glaucoma, and certain medical conditions or the use of some medications. It has been called the "silent thief of sight" because the loss of vision usually occurs slowly over a long period of time. Glaucoma may cause vision loss if left untreated 57718be1bc

This timeline examines scientific and medical discoveries, products and technologies introduced by various peoples of India. Inventions are regarded as technological firsts developed in India, and as such does not include foreign technologies which India acquired through contact. 57718be1bc Currently, he is the Chairman of National Heart Institute (Institut Jantung Negara), Chairman of UCSI Healthcare Group and Chancellor of Cyberjaya University. 57718be1bc Hisham Abdullah was elected as the first chair for the World Health Organization (WHO) Standing Committee on Health Emergency Prevention, Preparedness and Response (SCHEPPR). He is a member

of the Board of Directors of the Drug for Neglected Diseases Initiative (DNDi). For his contribution in Global Surgery Initiative, he was appointed as a member of Technical Advisory Group on Universal Health Coverage in the WHO Western Pacific Region (UHC TAG) as well as a member of transitional High-level Council for the Global Surgery Foundation. 57718be1bc

Surgery , malabsorption created by bariatric surgery such as gastric bypass), to reconstruct or alter aesthetics and appearance (cosmetic surgery), or to remove unwanted tissues, neoplasms and foreign bodies. g. "Routine preoperative medical testing for cataract surgery". , trauma, disease, injury, malignancy), to alter bodily functions (e. doi:10 Surgery is a medical specialty that uses manual and instrumental techniques to diagnose or treat pathological conditions (e. 1 (1) CD007293. g. The Cochrane Database of Systematic Reviews. Schein O (January 2019) 57718be1bc

Couching (lens depression) was the original form of cataract surgery

and was used from antiquity. Chrysippus of Soli, a stoic Greek philosopher, provided the earliest account of it. Couching is still occasionally found in traditional medicine... 57718be1bc A comprehensive definition of plastic surgery has never been established, because it has no distinct anatomical object and thus overlaps with practically all other surgical specialties. An essential feature of plastic surgery is that it involves the treatment of conditions that require or may require tissue relocation skills. 57718be1bc

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