CASE REPORT

A 12-year-old girl was admitted with abrupt onset of blurred vision and decreased visual acuity in the right eye. Her visual acuity was right eye, 0.02 and left eye, 0.8. Ocular examination revealed vitreous and retinal haemorrhages in the right eye and scattered retinal vasculitis in the left eye. She was suspected to have an acute posterior and intermediate uveitis. Physical examination demonstrated no evidence of arthritis, pulmonary involvement, hepatosplenomegaly, or neurological abnormalities. Laboratory examinations of peripheral blood, coagulation studies, autoantibodies to nuclear antigen and rheumatoid factor revealed no systemic abnormalities, and studies of antibodies to viruses including rubella, cytomegalovirus, herpes simplex virus, Epstein–Barr virus, varicella zoster virus, and Toxoplasma gondii indicated previous infections or no evidence of infection. Examination of the patient’s serum revealed the antibody to HTLV-I by both particle agglutination assay (PA) and ELISA, which was confirmed by western blot. The PA titre for HTLV-I was initially 1:256 and increased to 1:8192 over the next 4 months. Provirus detection by polymerase chain reaction (PCR) using peripheral blood mononuclear cells was positive for HTLV-I DNA. The patient’s mother was an asymptomatic carrier of HTLV-I. The girl was, therefore, diagnosed as having HTLV-I-associated uveitis (HAU). Along with topical steroid eyedrops, 1 ml of intravenous liposteroid, consisting of lipid emulsified dexamethasone (L-Dx) microspheres (Lidemethason 1 ml; dexamethasone palmitate 4 mg) was injected once a week in order to target steroids to the topical, ocular inflammatory lesion and to minimise adverse effects. By 3 weeks, the uveitis had nearly resolved, and injections of L-Dx were decreased. Her visual acuity of the right eye improved to right eye, 0.3. Six weeks later, a flaring of uveitis and retinal bleeding with iris in right eye after a flu-like infection occurred. Visual acuity was right eye, 0.01 and left eye,1.0. L-Dx injections were initiated twice a week again, and the acute inflammation improved within 3 weeks. However, retinal detachment and vitreous opacities in the right eye ultimately developed, which prompted surgical treatment (pars plana vitrectomy, three port system, 20% SF6 gas) (Figs 1 and 2). The fluid in the anterior chamber contained antibodies to HTLV-I (1:160 by PA assay).

COMMENT

We report here a child with severe HAU associated with carriage of HTLV-I. The age of onset of HAU has been reported to be distributed from 19 years to 75 years (mean 46.03 years), making our patient one of the youngest reported to date.1–3

The diagnosis of HAU is based on the sudden onset of uveitis without defined causes, in addition to a seropositive result for antibodies to HTLV-I. Although some patients with ATL or HAM/TSP develop idiopathic granulomatous anterior uveitis, patients with HAU do not show signs of neurological or haematological abnormalities except for antibodies to HTLV-I. Our patient satisfied these two criteria, and the titre of anti-HTLV-I antibody increased during the course of her disease. Moreover, proviral DNA was positive, which further contributed to confirm the diagnosis. Unilateral intermediate and posterior uveitis was the initial ocular lesion in this case, ultimately progressing to panuveitis in both eyes. This explains the poor ocular prognosis in this child, who needed surgical therapy, although the visual acuity of most HAU patients is good (63%) or fairly good (24%).4,5 The retinal detachment presumably occurred by the traction of vitreous with neovascularisation as we could not find any retinal break during the vitreous surgery. Although this patient was free from haematological and neurological manifestations, it remains to be established whether HAU is predictive of the subsequent development of other HTLV-I associated diseases.
diagnosis of a rapid onset hypopyon uveitis, even in a well patient.

This young man’s case was extremely unusual. The patient had demonstrable systemic meningococcal infection, and yet was well and apyretal at presentation, and throughout his admission.

CASE REPORT

A 17-year-old man was referred to eye casualty by his general practitioner, with a 1 day history of misty vision and pain in the right eye, which was unresponsive to topical antibiotics. His general practitioner had noted myalgia and arthralgia with a sore throat 4 days previously, the patient had felt transiently feverish, but had apparently remained apyretal and was otherwise well. There was nothing else in the history of note, in particular no past ocular or medical history, and on direct questioning there had been no sexual contacts or intravenous drug use.

On examination the vision was hand movement in the right, and 6/5 in the left. He had a very injected right eye, with an oedematous cornea, a 2.4 mm hypopyon, fibrin in the anterior chamber, and the pupil was bound down with posterior synechiae. There was no vitreal reaction, and there was no difference in the pupillary deficit. The left eye and intraocular pressures were normal.

Systemically he was apyretal with a normal blood pressure, a pulse of 80, and a normal neurological examination without meningism. There was no ulceration of the mucous membranes. He was found to have a fading vesicular rash over his feet and ankles.

He was admitted and treated for the very acute anterior uveitis, with subconjunctival Benzylpenicillin (Benactizine) and mydriatics and subsequently with hourly drops of Pred Forte (prednisolone) and twicedaily atropine and subsequently with hourly drops of Pred Forte (prednisolone) and twice daily atropine 1%. Investigations revealed a slightly raised white cell count and raised inflammatory 1%. No investigations were performed, and there was no difference in the pupillary deficit. The left eye and intraocular pressures were normal.

An ultrasound b-scan ultrasonography of the right eye revealed a dense cataract and choroidal effusion with a large hypopyon. The anterior chamber was completely turbid and there was no light transmission. The patient was referred for surgery, and a vitrectomy was performed; vancomycin 2 mg, cefazolin 2 mg, and amphotericin 0.5 mg were administered intravitreally. Initially the vitreous sample revealed no infective agents, but the following day a single Gram negative diplococcus was isolated, assumed to be Neisseria meningitidis. The patient was commenced on intravenous piperacillin (3.4 g) and six times daily, and oral rifampicin 600 mg twice daily, with intensive topical ceftazidime and gentamicin Forte eye drops. The organism was cultured and confirmed as N meningitidis sensitive to gentamicin, ceftriaxone, penicillin, and chloramphenicol. Further blood cultures and throat swabs failed to grow any bacteria.

After 7 days of intravenous antibiotics under the joint care of ophthalmologists and microbiologists, the patient was allowed home and topical treatment was gradually reduced over the next few weeks.

The right eye remained comfortable, with a clear cornea, a quiet anterior chamber, and a dense cataract. Vision was vague perception of light, and the dense relative afferent pupillary defect persisted; the retina remained flat on B scan ultrasonography.

COMMENT

Meningococcal infections can present as a spectrum of disorders from fulminant septicaemia with meningitis to infections of individual systems. Endophthalmitis may be exogenous or endogenous. Before the modern antibiotic era, the most common form of endophthalmitis was endogenous meningococcal disease, occurring in about 3% of meningococcal cases. Recently, endogenous endophthalmitis is more commonly seen in immunocompromised patients, diabetics, and intravenous drug users and N meningitidis has been replaced by Bacillus cereus as the leading causative bacterial agent. Even so, metastatic bacterial endophthalmitis is relatively unusual, with 72 reported cases between 1976 and 1985, eight of these were caused by N meningitidis. Since then only five other cases have been attributed to N meningitidis.

Most of these cases describe patients who are systemically unwell, with fulminant septicaemia, or pyrexia with meningitis or with concurrent gastrointestinal or musculoskeletal symptoms. There have been a few cases described where the systemic illness has been less dramatic or where the patients have not been unwell at the time of presentation. Auerbach et al in 1989 presented a 13-month-old boy with endophthalmitis, a spontaneously resolving rash, and a persistent pyrexia where N meningitidis was found in the vitreous but not blood.19 Residual vision was slight after appropriate topical and intravitreal antibiotics, but diagnosis was delayed by the atypical presentation. Brisner and Hess in 1981 described a 15-year-old girl with a rash and arthralgia which had resolved by the time eye symptoms and endophthalmitis developed.20 She remained slightly pyrexial. N meningitidis was isolated from the aqueous and vitreous, but not from the blood. She was left with HM vision and a dense cataract. Kearns and Sprott in 1991 presented a similar case, which was not N meningitidis but who had pyrexia and myalgia and a rash several days before presentation which presumably represented a bacteremic event.

Our patient was very unusual in being well at presentation, despite having had a systemic meningococcal infection. He had negative blood cultures and he remained apyretal throughout. He had pyrexia, myalgia and a rash several days before presentation which presumably represented a bacteremic event. These cases demonstrate the occasional atypical presentation of metastatic meningococcal endophthalmitis. We should be aware of this diagnosis, even in seemingly systemically well patients, as the visual outcome is often poor despite aggressive and prompt therapy.
Non-caseating granulomas as a cause of ischaemic retinal vasculitis

EDITOR—Retinal vasculitis (RV) can be classified into ischaemic and non-ischaemic forms according to fluorescein angiographic findings: ischaemic RV is characterised by venous or capillary closure, or both. The aetiology of vascular closure in ischaemic RV is not clear, and histological evidence is scarce, but it is generally considered to be due to localised thrombosis. We present a case of ischaemic RV which on postmortem examination was found to be due to retinal vascular occlusion by non-caseating granulomas, consistent with a diagnosis of sarcoidosis.

CASE REPORT
A 52-year-old woman was referred with a 7 month history of painless misty vision with floaters. She was well and had attended the local ophthalmic unit, where a diagnosis of retinal vasculitis was made. She had no symptoms suggestive of a systemic inflammatory disorder. She was a heavy smoker, and her father had died from a myocardial infarction aged 59 years.

On examination at her first attendance to the St Thomas's Medical Eye Unit, her visual acuities were 6/24, N4.5 in the left eye, and 6/6, N4.5 in the left. Both anterior chambers were quiet, but there was low grade cellular infiltration in the vitreous bilaterally. Funduscopy revealed occasional peripheral intraretinal haemorrhages in the left eye, and in the right there was an oedematous macula, inferior intraretinal haemorrhages, and some sheathing of peripheral retinal vessels. Fluorescein angiography confirmed the presence of right cystoid macular oedema and bilateral peripheral retinal capillary closure (Fig 1).

On investigation, she had a lymphopenia, but erythrocyte sedimentation rate, serum ACE, and chest x ray were within normal limits. On this basis, a diagnosis of isolated idiopathic ischaemic RV was made. She was commenced on oral prednisolone, starting at a dosage of 40 mg/day, which was tailored according to the disease activity and was then stopped over the following months, when the RV was quiet. In view of her personal and family histories, an underlying thrombophilia was investigated once she was off treatment: apart from a minimally raised fibrinogen level she had no haemostatic abnormalities. She had no further relapses of RV and never went on to have symptoms consistent with an underlying inflammatory disorder, so prednisolone treatment was never reinstated. Eight months later she had a myocardial infarction and died.

Postmortem histological examination of the retina showed scattered non-caseating granulomas. There was evidence of these granulomas occluding the lumen of peripheral retinal vessels (Fig 2). There was no evidence of vasculitis or of granuloma formation in any major organs and the cause of death was confirmed as myocardial infarction secondary to arteriosclerosis.

COMMENT
Retinal vasculitis is a disorder characterised by inflammation of retinal blood vessels and cells in the vitreous. It can occur secondary to infection or neoplasia, or in association with an underlying systemic inflammatory disorder such as Behcet's disease or sarcoidosis, but is often idiopathic in origin. The presence of non-caseating granulomas around retinal blood vessels is highly suggestive of localised ocular sarcoidosis, although the granuloma formation could have been due to chronic inflammation from other causes such as persistent infection. While granulomas are not pathognomonic of sarcoidosis, their presence points towards such a diagnosis and cases of sarcoidosis confined to the eye or brain have been reported.\(^1\)\(^2\) This patient had no symptoms suggestive of an underlying inflammatory condition, which ties in with the absence of vasculitis or granulomas in the major organs on post mortem. In retrospect, it would have been valuable to have performed further investigations, such as a Mantoux and bronchial lavage to prove or exclude sarcoidosis, but owing to the absence of systemic symptoms this diagnosis was not strongly suspected. However, the presence of a lymphopenia was, with hindsight, a useful clue and indicates that sarcoidosis should be considered in a patient presenting with RV at any age.

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Figure 1 Fluorescein angiogram of the peripheral retina of the right eye showing capillary closure.

Figure 2 Postmortem histological section showing a non-caseating granuloma occluding a retinal blood vessel (haematoxylin and eosin, × 30).

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This patient had the icteric form of RV in the absence of a thrombophilia. While sarcoidosis is generally associated with non-icteric RV,1 cases with retinal vascular occlusion have been reported.2 These histology specimens show granuloma occluding the retinal vessels, rather than the presence of intravascular thrombosis, indicating that granuloma formation may be the direct cause of ischaemia in some patients. It is also of interest that the RV had clinically become quiescent, yet the presence of postmortem retinal granulomas indicates that intraocular inflammation persisted.

This case highlights the necessity to maintain a high index of suspicion of sarcoidosis and confirms the need for further ocular histological specimens from RV patients to be examined whenever possible.

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*Dr McCartney sadly died during the writing of this case report, following a long illness.


Regression of conjunctival Kaposi’s sarcoma under chemotherapy with bleomycin

EDITOR,—Kaposi’s sarcoma (KS) is the most common neoplasm in patients with the acquired immunodeficiency syndrome (AIDS). In Europe, approximately 29% of patients with AIDS are infected homosexual men compared with patients who contracted HIV through different routes of infection.1 Increasing evidence points to the role of the human herpesvirus 8 (HHV8) as a causative infectious agent for KS in immunosuppressed patients. It has not as yet been clarified, however, if HHV8 is required for the development of KS or if the virus preferentially infects and reduplicates within KS.2

Disseminated KS is currently treated with single or multiple agent chemotherapy, immuno-therapy, and/or radiation therapy. For limited local disease cryotherapy, surgical excision, or local chemotherapy can be employed.2 The presence of regression of conjunctival KS under systemic chemotherapy with bleomycin is often neglected; they include KS, microvascularitis, non-specific transient conjunctivitis, dry eye syndrome, and microporal keratoconjunctivitis.3 KS of the conjunctiva appear as flat, reddish lesions, most often located in the lower fornix, which are easily mistaken for chronic subconjunctival haemorrhage, foreign body granuloma, or a cavernous haemangioma. Treatment of conjunctival KS is usually indicated for cosmetic reasons, if the lesion is complicated by haemorrhage or infection, or if it results in visual obstruction.4

Varying forms of treatment have been described; these include local exsanguis with or without adjunct cryotherapy, fluorescein angiography based excision, external beam radia- tion, local immunotherapy, or multiple agent chemotherapy.4 The major complicating factor in local treatment of conjunctival KS is the relatively high risk of tumour recurrence in 29%–66% of cases.5

Bleomycin as a single agent chemotherapy for mucocutaneous KS has been described by Caumes et al.6 With this therapy, a 74% (52/70) response rate could be achieved. The advantages of bleomycin over other chemo-therapeutic agents include its good efficacy and the lack of haematoxidity. The main side effects of bleomycin are adverse skin reactions (for example, flagellated pigmements and Raynaud’s phenomenon).7 Although two cases of conjunctival KS were included in the series of Caumes et al, no details about their response to therapy are given.8

In this case, bleomycin therapy was accompanied by antiretroviral treatment; further, the regression of KS was paralleled by a rise in the CD4 cell count. A partial response of KS to antiretroviral therapy with zidovudine alone has been reported as well as a complete regression after treatment with indinavir, a new HIV-1 protease inhibitor.9 To what extent antiretroviral therapy might have contributed to the regression of KS in this case cannot be precisely differentated from the effects of bleomycin above. However, we assume that bleomycin therapy was the major cause of regression of KS since, to our knowl-edge, complete regression of disseminated mucocutaneous KS with the antiretroviral treatment used in this case alone or in combination has not been reported to date despite the widespread use of antiretroviral agents in patients with AIDS and KS.

In conclusion, a complete and long standing remission of conjunctival KS can be achieved with intramuscular bleomycin therapy. This case is of particular interest in view of the rapid progression of symptoms and drop in CD4 cell count and the unusual involvement of the conjunctiva and both upper eyelids.

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Figure 1 Appearance of Kaposi’s sarcoma of the nasal bulbar conjunctiva before initiation of therapy.

Figure 2 Regression of conjunctival Kaposi’s sarcoma 8 months after initiation of treatment with bleomycin.
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Lacrimal gland epithelioid haemangioma

EDITOR,—Epithelioid haemangioma (EH) is 
the preferred name used to describe a rare 
primary, neoplastic disorder of vascular en-
DOthelial tissue with a variable and secondary 
inflammatory response.1 It is part of a spectrum of epithelioid vascular tumours and has been reported under a number terms, in 
particular angiolymphoid hyperplasia with eosi-

nophilia. We report a case in which EH involved the lacrimal gland in isolation, 
without systemic eosinophilia or other fea-
tures of Kimura’s disease.

CASE REPORT

A 77-year-old white woman with no previous 
medical history presented with a 1 year history of 
fullness in the right orbit and gradual right 
ptosis. She had developed epiphora 6 months 
before presentation and reported a non-
specific visual disturbance in the same eye.

On examination corrected visual acuity was 
6/9 right and 6/6 left. There was a 3 mm right 
non-axial ptosis with 2 mm of globe 
pression but no diplopia. A firm, non-
tender mass was palpable in the lateral aspect 
of the right upper lid with a 1 mm ptosis. 
Ocular examination was otherwise normal.

A computed tomography scan of the orbit (Fig 1) showed a well defined homogeneous mass enlarging the right lacrimal gland, with 
no evidence of bone erosion or deformity of the 
adjacent globe. The left lacrimal gland was 
normal. The appearance was of a benign 
lacrimal tumour, most likely a pleomorphic 
adenoma. Routine haematological investiga-
tion was normal, with a white cell count of 5.2

× 10^9/l and 1.9% eosinophils.

A right lateral orbitotomy was performed to 
 improve surgical access and the lacrimal gland 
was excised with a margin of normal tissue.

The proptosis resolved postoperatively; how-
ever, a 2 mm ptosis remained and she experi-
cenced diplopia on extreme right gaze because 
of right lateral rectus underaction.

Histological examination of the 25 mm 
mass showed a well circumscribed lesion with 
the typical features of EH (Fig 2A and B). 
Multiple thick walled vascular channels with 
plump endothelial cells were associated with 
an infiltrate of inflammatory cells, particularly 
eosinophils and plasma cells. The endothelial 
cells did not show cytological atypia, and 
imostes were not evident. Lymphoid follicles 
were present in the periphery of the lesion.

Figure 1 (Top) Sagittal computerised 
tomography scan showing diffuse right lacrimal gland enlargement and globe depression without bone or globe involvement. (Bottom) Axial 
computerised tomography scan showing diffuse right lacrimal gland enlargement and proptosis without bone or globe abnormality.

Comment

Epithelioid haemangioma reported under the term 
angiolymphoid hyperplasia with eosino-

nophilia (ALHE) is an exceptional entity in the 
orbit, and usually involves the skin of the 
head and neck.1 The differential diagnosis 
includes angiosarcoma, eosinophilic granu-

loma, and granuloma faciale.1 Because of its 
benign nature its management is by local exci-
sion alone.2 Recurrences have been treated with 
radiotherapy.2

Epithelioid haemangioma shows some his-
torical features with Kimura’s disease. Both 
have an inflammatory infiltrate of eosinophils, 
lymphocytes, and plasma cells, often in 
association with lymphoid follicles. However, 
the plump epithelioid cells that characterise 
EH are not found in Kimura’s disease which 
also tends to show more fibrosis and to 
contain eosinophilic microabscesses. Kimura’s disease usually affects young Asian males, is 
associated with eosinophilia, and shows fea-
tures of an autoimmune disorder. EH and 
Kimura’s disease should therefore be consid-
ered separate clinicopathological entities.

Epithelioid haemangioma, under the term 
ALHE, has been previously reported in the 
lacrimal gland.3 However, these two cases were 
of young patients who had features of 
Kimura’s disease and their initial presentation 
was with non-orbital involvement and later 
lacrimal gland enlargement. Both patients, 
one of Asian descent and the other Afro-

Caribbean, had raised serum eosinophil 
counts. Our reported case of EH involves the 
lacrimal gland in isolation and affects an 
elderly white female without systemic eosi-

nophilia or other characteristics of Kimura’s disease.

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CORRESPONDENCE

Myopia of prematurity

EDITOR,—Fielder and Quinn1 have provided an interesting hypothesis and speculation on the origin of myopia in premature infants’ eyes following treatment for ROP. However, they have overstated the strength of the evidence in their opening statement that ‘... clinical research has shown that the degree of myopia is less for eyes treated with cryo or laser therapy when compared with cryotherapy for severe ROP’. The three references quoted contain evidence only from historical comparison groups, raising questions about the strength of the evidence for this conclusion.1,3

The reports describe the incidence2 or severity3 of myopia in two studies which compared laser with cryo treated ROP. Patient allocation of these 66 infants to the two treatments was not random, with the earlier historical comparison groups receiving cryotherapy. The third report4 describes myopia outcomes in 17 infants treated with cryotherapy and 26 infants treated with laser therapy, but these are probably included among the infants reported by Algawi et al.6 An additional full report of reduced myopia following laser compared with cryotherapy was identified and the English abstract suggests a historically controlled comparison (Italian not yet translated), while a final abstract reports less myopia following laser in 14 infants compared with 20 non-randomly assigned cryotherapy infants.7

Two methodological issues therefore raise a significant potential for biased conclusions: historical controls and non-reporting of treatment failures.

CONTROLS

The criteria for choosing infants for treatment in clinical practice are constantly under evolution as experience and judgment leads to potentially better choices of the time for treatment. Thus, the earlier treated (cryo) infants are more likely to have had more severe disease and a poorer overall prognosis and more sequelae than the later treated infants (laser). The effect of this type of bias would be that infants receiving laser treatment (compared with cryo treatment) would have less severe ROP at the time of treatment, a better prognosis because more of these would have regressed even without cryotherapy, and therefore they would be expected to have less myopia, even if there were no true myopia effect of cryo or laser treatment.

TREATMENT FAILURES

The number of infants who progressed to retinal detachments following either treatment is critical to evaluate because only infants with attached retina can be classified into myopia. If cryotherapy ‘rescued’ eyes that would have detached but leaves them myopic, that would still be a better outcome than if laser therapy failed to salvage those eyes but no myopia was found in former cryo eyes that did retain attached. It might be clearer to think of an analysis of the proportion of the originally treated eyes that were not myopic or detached at follow up. Of course, this type of bias is unlikely to be a problem in this case, since randomised controlled trials of cryo v laser therapy have shown laser therapy to be at least as effective as cryotherapy in preventing unfa-vourable retinal outcomes.1,3

Myopia outcomes in treated eyes that would have progressed to severe ROP are important observations, but they are not strong comparative clues that laser would reduce the sequelae of severe ROP even more than does cryotherapy, but a thorough search of the existing literature reveals only 90 infants entered in randomised, concurrent comparison trials of cryo therapy v laser ablation, and none of these has reported myopia outcomes to date.1,3 Given the consistency of observations from the non-randomised studies which used either historical controls1,3 or no controls,4 it may well be that there is a true reduction in the rate of myopia following laser. However, the validity of this conclusion and the accurate estimation of the magnitude of such an effect depend on data from randomised controlled trials. The investigators who conducted those controlled trials should seek out and publish myopia outcomes from those children to permit a best estimate of potential true differences. If the hypothesised differences in myopia rates are true, there are important questions for basic science laboratories to answer, and clear clinical practice implications.

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Reply

EDITOR,—Upon review of our recently published editorial ‘Myopia of prematurity: nature, nurture, or disease? based on an article by Laws et al.,4 comparing refractive outcomes in eyes that received laser cryotherapy versus cryotherapy for severe retinopathy of prematurity (ROP), we are concerned that we may have conveyed two false impressions:

(1) The data presented by Laws et al do not necessarily ‘confirm’ in a scientific sense the finding that laserered eyes had less myopia than eyes that underwent cryotherapy for severe ROP. Rather the study by Laws et al and the other two studies they cited were unrandomised, uncontrolled studies and they all contributed to the suggestion that lasered eyes may be less likely to have severe degrees of myopia than those which are treated by cryotherapy.

(2) Laws et al found that the ‘cryoed’ eyes were highly myopic without citing data on the natural course of untreated eyes which regress after developing severe retinopathy. As we indicated in our editorial, the distribution in cryo treated and control eyes in the CRYO-ROP study was virtually the same for eyes with myopia up to 6 diopters and hyperopic eyes.4 This suggests that the abnormal refractions are probably due to the disease of ROP and not the surgical intervention of cryotherapy. Finally, we would reiterate the point that ‘...clinical work should...’ (we mean ‘laser’) be done only with regard to refractive development, but also to improve our care of the eyes of these preterm infants.

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BOOK REVIEWS


Uveitis is undoubtedly a difficult field for many ophthalmologists since there are a bewildering number of clinical entities for both anterior and posterior uveitis.

Manfried Zierhut has produced a concise text which takes the form of two small handbooks which can easily slip into the pocket of the doctor’s white coat. The aims of the text are to simplify the ophthalmologist’s approach to uveitis. In the first section of volume 1 a general overview of the clinical signs and symptoms that one might observe in uveitis is outlined. This is then followed by a fairly extensive list of the various forms of uveitis classified into infective and non-infective uveitis, autoimmune uveitis, endogenous uveitis, and uveitis associated with systemic disease.
While there may be some disagreement concerning the precise classification of individual entities this handbook provides a very useful overview of a wide range of causes and presentations of uveitis and its aim of simplification of this complex field has been achieved.

Volume 2 follows the same overall plan. In the first two sections a general strategy for uveitis therapy is outlined with particular attention paid to the need to intervene, highlighted in section 1.2. A novel view of the available anti-inflammatory, antibiotic, and immunosuppressive drugs is followed by a section outlining the various surgical procedures which are required for specific uveitis complications. There are some idiosyncratic inclusions such as the inclusion of plasmapheresis in the surgical section and reference to other unusual therapies such as climatotherapy which is surely only used in very selected clinics.

The remainder of the book is an outline of the therapy for each of the conditions described in volume 1. Much reliance is placed on simple bullet point presentation within the text, it is easy to find exactly what one is looking for. While specific therapies of discrete entities described in volume 2 represent Dr Zierhut’s management of his own patients most of the approaches fall within the mainstream of generally accepted therapeutic ideas. These two volumes will be very useful to both the practising and the trainee ophthalmologist in this field.

JOHN V FORRESTER


The title for this work might mislead one into thinking that it is ‘just another book’ describing ocularplastic reconstruction, although nothing could be further from the truth. Written largely by craniofacial surgeons, this magnificent book is a treasure trove of ideas and illustrations. Many of the procedures described and vividly illustrated would not be performed by ophthalmic plastic surgeons, but the principles of the described techniques can be applied to other areas of ocularplastic surgery. Just as it is possible to learn from observing an experienced surgeon operating, this book—with its largely non-oculoplastic view of periorbital reconstruction—provides a wealth of new ideas and will broaden the horizons of the ophthalmic plastic surgeon.

The anatomy of the orbit is presented very much from the developmental viewpoint and this is followed by coverage of three dimensional computed tomography scanning of the orbit. The chapter on three dimensional computed tomography imaging is of limited applicability to ophthalmic surgeons being, in reality, a series of fascinating cases with congenital anomalies, acquired disease, or trauma to the facial structures. The chapter entitled ‘Orbital surgery’ covers the principles of both reconstructive flaps and osteotomies very well, but does not give detail of intraorbital surgical techniques. Three chapters cover the treatment of keratoconus, microphthalmia, and cranio-orbital maldevelopments in detail.

The sections covering blepharoptosis, facial nerve palsy, palpebral anomalies, and malpositions are well illustrated and of particular relevance to an ophthalmic surgeon, as are the sections on the diagnosis and surgical treatment of eyelid tumours and socket surgery. For such a common problem, the coverage of age related lid malpositions is, however, rather limited. Although reconstruction of the lacrimal drainage system appears to be an afterthought, basic lacrimal surgery is covered very well in the last chapter.

The management of orbital tumours, vascular anomalies and neurofibromatosis, and trauma (both primary and secondary repair) is very much the province of a craniofacial surgeon and not the type of case typically managed by an orbital or ophthalmic plastic surgeon; likewise, the extensive facial reconstructions described—after excision of major facial tumours, with trauma or after burns—are largely the province of the plastic facial surgeon.

The quality of presentation, printing, and binding is excellent and the number of errors is very small from the developmental viewpoint and this book—despite not giving detail of intraorbital surgical techniques. Three chapters cover the treatment of blepharoptosis, facial nerve palsy, palpebral anomalies, and malpositions are well illustrated and of particular relevance to an ophthalmic surgeon, as are the sections on the diagnosis and surgical treatment of eyelid tumours and socket surgery. For such a common problem, the coverage of age related lid malpositions is, however, rather limited. Although reconstruction of the lacrimal drainage system appears to be an afterthought, basic lacrimal surgery is covered very well in the last chapter.

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The quality of presentation, printing, and binding is excellent and the number of errors is very small. There is no doubt that this book is a delight to read and to repeatedly browse. It is a must for a medical library and for the craniofacial surgeon, but perhaps not essential to the personal library of an ophthalmic plastic surgeon.

GEOFFREY E ROSE


In this third edition the authors have gone beyond the realms of a mere definitional text. This edition includes clear definitions ranging from the simple jargon one would expect to find in such a work to complicated rare syndromes, even daring to give the occasional differential diagnosis. This book goes further than previous editions to include many more drugs, and systemic disease with oculoplastic manifestations.

Its user friendly layout allows those with a modicum of ophthalmological knowledge to access most terms used within the eye world even when incorrectly spelt. It defines simply so a scientific background is not a prerequisite. It is inevitable that with this being a ‘American’ publication care has to be taken when applied in a UK context. For example, the legal definition of blindness has to be disregarded. Perhaps expansion of the contact lens terminology may have been appropriate. However, almost every other relevant area has been well covered.

It remains a compact, well produced, spiral bound dictionary which should be found in the pockets of those who endeavour to tackle the full spectrum of ophthalmology. A useful reference for all those involved in eyes and related professions.

KARON A ROBINSON


Practical Paediatric Ophthalmology is a beautifully illustrated volume from the same ‘stable’ as Paediatric Ophthalmology, which has become the classic text for this subspecialty. With 27 chapters it offers a comprehensive review of most aspects of children’s eye disorders. The exception is strabismus which is mentioned only briefly in the context of screening, refractive errors, and as part of the presentation of various other ophthalmic disorders.

The illustrations are of exceptional quality, reproducing many of those available in the ‘big book’. These high quality illustrations and succinct summaries of the various disorders have already made it a firm favourite in our department, with both trainee ophthalmologists and paediatricians finding it a valuable reference guide.

However, there are some reservations. Though readers are exhorted to use the same text Practical Strabismus Management, the cost and size of the combined texts takes them beyond the ‘handy quick reference’ category. Also the devotion of 59 pages to aspects of neuro-ophthalmology very much reflects the authors’ interests and practice rather than the paediatric ophthalmology that most readers with a subspecialty interest will encounter. Fourteen pages on nystagmus but only one devoted to the difficult question of glaucoma management serves to emphasise this bias.

Furthermore, the text while clearly written and informative is written in a discursive style and is meant to be read through, cover to cover, rather than dipped into for easy reference in a clinic setting. I therefore found myself wondering why a junior would not, instead, use the ‘big book’ to learn about the diagnosis and management of difficult problems.

It is of course no criticism of a book that a reviewer cannot easily identify its intended audience, and I suspect that it will be enormously popular and thus answer those particular misgivings. The authors have produced a fine text and, only because the other large text with which they are involved is so exceptional, do I feel the need to offer any criticism.

H E WILLSHAW

NOTICES

Retinopathy of Prematurity


International Centennial Meeting on Pseudoxanthoma Elasticum

PXE International, Inc, along with the National Institute of Arthritis, Musculoskeletal and Skin Diseases (NIH), is sponsoring an International Centennial Meeting on Pseudoxanthoma Elasticum (PXE) on 6–7 November 1997 in Bethesda, MD, USA. The meeting will focus on genetic, extracellular matrix, and clinical issues. Further details: Sharon Terry, MA, President PXE International, Inc, 23 Mountain Street, Sharon, MA 02067, USA. (Tel and fax: 617 784 3817; email: pxe@ix.netcom.com)
2nd International PRK and Lasik Workshop

The 2nd International PRK and Lasik Workshop will be held on 27 November 1997 at the Mater Hospital, Dublin, Ireland. Further details: Ms M Hennerty, Laser Coordinator, Mater Private Hospital, Dublin, Ireland. (Tel: +353-1-8384444 ext 1732; fax +353-1-8386314.)

10th Annual Wilmer Institute’s Current Concepts in Ophthalmology

The 10th Annual Wilmer Institute’s Current Concepts in Ophthalmology will be held on 11–13 December 1997 at the Johns Hopkins Medical Institutions, Baltimore, Maryland. Further details: Program Coordinator, Johns Hopkins Medical Institutions, Office of Continuing Medical Education, Turner 20/720 Rutland Avenue, Baltimore, MD 21205, USA. (Tel: 410 955-2959; fax: 410 955-0807; email: cmenet@som.adm.jhu.edu; homepage:http://ww2.med.jhu.edu.cme)

20th Annual Wilmer Institute’s Current Concepts in Ophthalmology

The 20th Annual Wilmer Institute’s Current Concepts in Ophthalmology will be held on 5–10 February 1998 at the Hyatt Regency Cerromar Beach Hotel, Dorado, Puerto Rico. Further details: Program Coordinator, Johns Hopkins Medical Institutions, Office of Continuing Medical Education, Turner 20/720 Rutland Avenue, Baltimore, MD 21205, USA. (Tel: 410 955-2959; fax: 410 955-0807; email: cmenet@som.adm.jhu.edu; homepage:http://ww2.med.jhu.edu.cme)

2nd International Glaucoma Symposium (IGS)

The 2nd International Glaucoma Symposium will be held on 15–20 March 1998 in Jerusalem, Israel. Further details: The 2nd IGS Secretariat, PO Box 50006, Tel Aviv 61500, Israel. (Tel: +972-3-514-0000; fax: +972-3-517-5674; email: glaucoma@kenes.com)

15th Annual Wilmer Institute’s Current Concepts in Ophthalmology

The 15th Annual Wilmer Institute’s Current Concepts in Ophthalmology will be held on 15–20 March 1998 at Manor Vail Lodge, Vail, Colorado. Further details: Program Coordinator, Johns Hopkins Medical Institutions, Office of Continuing Medical Education, Turner 20/720 Rutland Avenue, Baltimore, MD 21205, USA. (Tel: 410 955-2959; fax: 410 955-0807; email: cmenet@som.adm.jhu.edu; homepage:http://ww2.med.jhu.edu.cme)

11th Annual Meeting of German Ophthalmic Surgeons

The 11th Annual Meeting of German Ophthalmic Surgeons will be held on 28–31 May 1998 in Nürnberg, Germany, Meistersingerhalle. Further details: organisation Nürnberg GmbH, Wielandstrasse 6, D-90419 Nürnberg, Germany. (Tel: +49-911-393160; fax: +49-911-331204.)

XXVIIIth International Congress of Ophthalmology

The XXVIIIth International Congress of Ophthalmology will be held in Amsterdam on 21–26 June 1998. Further details: Eurocongres Conference Management, Jan van Goyenkade 11, 1075 HP Amsterdam, the Netherlands. (Tel: +31-20-6793411; fax: +31-20-6737306; internet http://www.solution.nl/ico-98/)

First Combined International Symposium on Ocular Immunology and Inflammation

The First Combined International Symposium on Ocular Immunology and Inflammation will be held in Amsterdam on 27 June–1 July 1998. The meeting is sponsored by the International Ocular Immunology and Inflammation Society, the International Uveitis Study Group, and the Immunology and Immunopathology of the Eye Organisation. Further details: Professor Aize Kijlstra, The Netherlands Ophthalmic Research Institute, PO Box 12141, 1100 AC Amsterdam, Netherlands (email: a.kijlstra@amc.uva.nl)

2nd International Conference on Ocular Infections

The 2nd International Conference on Ocular Infections will be held on 22–26 August 1998 in Munich, Germany. Further details: Professor J Frucht-Pery, 2nd International Conference on Ocular Infections, PO Box 50006, Tel Aviv, 61500, Israel. (Tel: 972 3 5140000; fax: 972 3 5175674 or 5140077; email: ocular@kenes.com)

First International Conference on the Optic Nerve

The First International Conference on the Optic Nerve to be held in Tel Aviv, Israel on 30 August–4 September 1998 has been cancelled due to lack of financial support.

ICOP 98

The next International Conference in Ophthalmic Photography (ICOP) will be held on 19–21 September 1998. Further details: Mrs Gillian Bennerson, Senior Ophthalmic Photographer, Bristol Eye Hospital, Lower Maudlin Street, Bristol BS1 2LX. (Tel: 0117-928-4677.)
INSTRUCTIONS FOR AUTHORS

Adherence to the following guidelines is essential if efficient and expeditious processing of your manuscript is to be achieved. Manuscripts will be returned to authors for revision before peer review if they are submitted in incorrect format. Please indicate in a covering letter which category of paper your article represents.

The British Journal of Ophthalmology is an international journal covering all aspects of ophthalmology including surgical ophthalmology and the visual/ophthalmic sciences. Contributors should consider the widely varying readership and write clear, simple articles with the minimum of technical detail. Space in the journal is limited and articles should therefore be as concise as possible. One page of text is approximately 1000 words.

Manuscripts should be sent to the editor who selects them on the basis of their suitability for the journal and of reports from independent referees. Manuscripts are acknowledged on receipt and the majority (>80%) are sent for review. Those that are not reviewed are returned to the author as rapidly as possible so that they may be submitted elsewhere.

Manuscripts may be processed by section editors who deal with specific areas of ophthalmology including surgical retina, medical retina, neuro-ophthalmology, ocular motility, orbital disease, anterior segment disease, oncology, lens, optics and visual sciences, laboratory sciences, pathology, and immunology. A minimum of two referees, chosen for their specific expertise, review each article.

Papers are accepted on the understanding that they have not been and will not be published elsewhere, and that there are no ethical problems with the work described. If requested, authors shall produce the data upon which the manuscript is based for examination by the editor.

Categories of papers

ORIGINAL ARTICLES

(a) Clinical science
Articles on clinical topics are research reports of a general or specialised nature comprising approximately 3000 words and 4-6 display items (Figures and Tables).

(b) Laboratory science
Articles on ophthalmic or visual sciences are research reports of experimental work generally of the same size as clinical research reports. Laboratory science papers will be included in a designated section of the journal.

Both types of original article should include the following: title; key words (up to four); address and with which author address for correspondence; structured abstract (approx 200 words), headings ‘Aims/background’, ‘Methods’, ‘Results’, and ‘Conclusion’); introduction; materials and methods; results and discussion sections; references and acknowledgements; legends for display items (Figures and Tables).

REVIEW ARTICLES

Substantive review articles will be included under the section ‘Perspective’ and will address any aspect of clinical or laboratory ophthalmology. Review articles will be approximately 3000-5000 words in length including references and may contain display items (Figures and Tables). Most review articles are commissioned but uninvited reviews are welcomed. Correspondence with the Editor is recommended. All reviews are subject to independent refereeing.

LETTERS TO THE EDITOR

Case reports will be published as ‘Letters to the editor’. These are normally 500–600 words written in the form of a letter with a maximum of two display items (Figures and Tables). The letter should include an introductory section (without heading), the case report (heading: Case report) and a comment (heading: Comment), plus a maximum of 10 references.

CORRESPONDENCE

Letters are normally constructed in the form of scientific correspondence and are usually 200–300 words.

Preparation of manuscripts

Manuscripts will be received on the understanding that they have not been and will not be published elsewhere while under editorial review. Manuscripts may be subject to editorial revision with the author’s agreement. All communications should be sent to the Editor, British Journal of Ophthalmology, Department of Ophthalmology, University of Aberdeen Medical School, Foresterhill, Aberdeen AB22D, Scotland, UK. (Tel: 01224 663812; Fax: 01224 663832.)

Manuscripts must be submitted in triplicate, and typed double spaced on one side of the paper only, with one inch margins. Each author must sign the covering letter as evidence of consent to publication. Revised manuscripts should be submitted as hard copy and on disk. Detailed instructions will be sent to authors on invitation to revise.

ILLUSTRATIONS

Illustrations must be submitted in triplicate. Transparency must be accompanied by prints. Only salient detail should be included. All must be labelled with the author’s name, numbered in the same order as they are cited in the text irrespective of whether they are in colour or black and white, and have the top indicated. Radiographs must be submitted as prints. Line drawings should be clearly labelled and will be redrawn to house style. The width of illustrations for the original articles should be 68 mm, 104 mm, 140 mm or, in exceptional circumstances, 176 mm, to fit the column layout of the journal. Illustrations for ‘Letters to the editor’ should be 56 mm or 116 mm. Stain used and a scale bar (or magnification) should be given. Legends must be typed on a separate sheet.

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Each table should be on a separate sheet, have a heading, and contain no vertical rules.

REFERENCES

In accordance with the Vancouver agreement references are cited by the numerical system. They must be typed in double spaced.

LETTERS TO THE EDITOR

References in the text must be cited in numerical order of first appearance. References in the list must be given in the numerical order in which they first appear in the text, not in alphabetical order of authors’ names. References with one to six authors must include all authors’ names; for references with more than six authors the first six should be given and then et al. Titles of journals should be abbreviated in accordance with the Index Medicus or given in full. References to books must include names of editor(s) if there is one, town where published, name of publisher, year, volume, page numbers.


References will not be checked in the editorial office. Responsibility for their accuracy and completeness lies with the author.

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The work should be reported in the units used. If these were not SI units, the equivalent in SI units should be given in parentheses.

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Human T cell lymphotropic virus type I associated uveitis in a child

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