

Kosova, Bosnia and Albania

Paediatric Urology/Surgery Teaching Program

27th May – 18th June 2012

Dr Paddy Dewan, Dr Padma Rao and Mrs Maggie Hammerton



A project of the Departments of Health in Kosova, Bosnia and Albania,
the Balkans communities in Australia
and Kind Cuts for Kids

Introduction

Through the efforts of the Albanian community in Australia, a project has developed that is the subject of a report 2013 soon to be published, and this report, a belated summary of the events in mid 2012. Many things have caused delays in the presentation in a collective form of information that has been seen through our Facebook site (Kind Cuts for Kids) and in presentations at various fundraising events over the past year. Each of the in-country teams in Kosova, Albania and Bosnia made major contributions to the success of the visits in 2012, which involved a week in each location, the detail of which is given below. The most important observation of the visits was the recognition of the inclusion of concepts previously demonstrated.

An important indicator of the success of the Kind Cuts for Kids program is the development of the outreach into Bosnia as a result of the collaboration with Kosova, and collaboration between Albania and Mauritius.

Again, John Taip, Reg Karafili and Sezar Jakupi, Australian Albanians are to be thanked for their contribution, which has been recognised with the Kind Cuts for Kids Annual Awards going to Sezar in 2011 and the Taip family in 2012.

Enough about those who participate, the missions are all about the kids, their diseases and the solutions, particularly through education of those providing care into the future. Meet some of the 2012 children.....



Paediatric Surgery in the Balkans - 2012

Kosova

The visit to Kosova in 2012 was between 27th May and 2nd June, working in the University Hospital with the coordination of the program being undertaken by Nexhmi Hyseni and his team of senior surgeons, trainees, along with the anaesthetic department, supported by the nursing staff of the ward and theatre. Obviously, support service of pathology and radiology were also of great assistance to the smooth running of the work.

Funding and logistics support was gratefully received from the Prishtinë Rotary Club and John Taip and his family; encouragement was given by the Prime Minister of Kosova, during an audience he gave to Dr Dewan and the Kosova and Australian teams.



Clinical Work - Kosova

Patients = 22: Female 5: Male 17: Operations = 32: Anaesthetics = 12: Patients operated on = 12

Pathology	DOB	Date
Bladder exst– epispadias	1/01/1996	28/05/2012
Hirschsprung's	15/11/2002	“
Spina Bifida	21/09/2003	“
Encopresis	25/06/2005	“
Vesicovaginal fistula	1/01/2006	“
Choledochal cyst	1/01/2009	“
Anorectal anomaly	5/08/2010	“
COPUM	11/11/2010	“
Bladder Ext – Epispadias	30/01/2012	“
Sacral agenesis – Neuropath Bl	5/05/1985	29/05/2012
COPUM	23/03/2002	“
Bladder exstrophy	28/11/2003	“
Hypospadias – cripple	2/07/2004	“
Prune belly syndrome	21/09/2005	“
Anorectal anomaly	1/01/2009	30/05/2012
Neuropath; VUR - post reimplant	13/10/2010	“
PUJ - post nephrostomy	30/03/2012	31/05/2012
Urethral strict + R hydro	8/02/2006	1/06/2012
Anorectal anomaly	12/07/2009	“
Anorectal anomaly - high	11/12/2010	“
UDT – vanished	2/08/2011	“

Paediatric Surgery in the Balkans - 2012

Surgery Performed - Kosova

Operation	Pathology	DOB	Date
Vesicovaginal fistula closure	Single kidney + VVF	1/01/2006	28/05/2012
Vaginoscopy	Vesicovaginal fistula	"	"
Ureteric tun'l lat release – R	Anterior anus	"	"
Cystoscopy	Constipation + ARA	"	"
Osteotomy - anterior pubic R	Bladder exstrophy	30/01/2012	28/05/2012
Osteotomy - anterior pubic L	"	"	"
Herniotomy – right	"	"	"
Herniotomy – left	"	"	"
Epispadias urethrol – part	"	"	"
Bladder exstrophy closure	"	"	"
Urodynamics	Prune belly syndrome	21/09/2005	29/05/2012
Nephrectomy - L lumbotomy	"	"	"
Mitrofanoff - left ureter	"	"	"
Cystoscopy	"	"	"
Urodynamics	Sacral agen – Neuropath B1	5/05/1985	30/05/2012
Cystoscopy	"	"	"
Urethroplasty - buccal mucosa	Bladder exst– epispadias	1/01/1996	30/05/2012
Buccal mucosa harvest	"	"	"
Plasty of anus	Anorectal anomaly	1/01/2009	30/05/2012
Pena - anorectal angle	"	"	"
Epispadias repair	Bladder exstrophy	30/10/2009	30/05/2012
Urodynamics	Spina Bifida – le9ft duplex	13/10/2010	31/05/2012
Ureteroreterostomy - L to R	"	"	"
Ureteropelvestomy - L U to L	"	"	"
Ureterocystoplasty	"	"	"
Cystoscopy	"	"	"
Pena – redo	Anorectal anomaly	12/07/2009	1/06/2012
Pena	Anorectal anomaly - high	11/12/2010	1/06/2012
Orchidectomy – left	UDT – vanished	2/08/2011	1/06/2012
Laparoscopy -diagnostic –first	"	"	"
Herniotomy – right	Hernia – right	"	"
Pyeloplasty – Left	PUJ - post Nephrostomy	30/03/2012	1/06/2012



A happy family, a hard working anaesthetist and the Prishtinë Rotary Club celebrating the success of the Kind Cuts for Kids visit to Kosova.

Bosnia

Clinical Work - Bosnia

Eighteen patients (seven female and 11 male) were treated; treatment that included 30 operations on 16 of the 18, numbers that reflect the highly selective nature of the cases.

Pathology	DOB	Date
blunt pancreatic trauma	31/03/2005	3/06/2012
colonic atresia, urethral atresia, ? caudal duplication	16/05/2008	"
Cloaca	18/01/2006	"
anorectal anomaly	1/02/2003	"
anal atresia with perineal fistula	14/04/2012	"
anal stricture, megarectum	10/08/2006	"
hypospadias	20/05/2010	"
anal atresia ? Hermaphrodite	1/06/2012	"
Biliary atresia	"	"
PUJ L VUJ R	28/04/2011	"
anal atresia with rectourethral fistula; colostomy	23/03/2012	"
Hermaphrodite, undescended gonads	7/03/2011	"
anal atresia post op, complic colostomy, spont closure	11/02/2012	"
anal atresia, anovestibular fistula	16/02/2012	"
vestibular anus	15/06/2010	"
Lymphoma	1/01/1996	"
vestibular anus - megarectum	22/11/2011	"
Megarectum	6/01/1997	6/06/2012



The enthusiasm of the Bosnian surgical team is indicated by the video and photo recording that occurred during the surgical procedures.

Paediatric Surgery in the Balkans - 2012

Surgery Performed – Bosnia

Operation	Pathology	DOB	Date
Laparotomy - abscess	blunt pancreatic trauma	31/03/2005	9/06/2012
Cystoscopy	cloaca + obstructed single L kidney	18/01/2006	8/06/2012
inguinal herniotomy	"	"	"
Ovarian cyst - left	"	"	"
Ureterocystoplasty	"	"	"
Ureteroneocystostomy	"	"	"
Urodynamics	"	"	"
Pena – post plication	anorectal anomaly	1/02/2003	5/06/2012
Wound revision	"	"	"
Anoplasty	anal atresia with perineal fistula	14/04/2012	4/06/2012
Rectosigmoid resect	anal stricture, megarectum	10/08/2006	7/06/2012
Hypospadias - UB I	hypospadias – penoscrotal	20/05/2010	8/06/2012
Anoplasty	anal atresia ? Hermaphrodite	1/06/2012	3/06/2012
Kasai - c Roux	Biliary atresia	21/04/2012	9/06/2012
Pyeloplasty - L	PUJ L VUJ R	28/04/2011	7/06/2012
Ureteric reimplant Left	"	"	"
Ureteric reimplant - R	"	"	"
Closure urethral fistula	anal atresia; rectourethral fistula; colost	23/03/2012	6/06/2012
Pena c plication	"	"	"
Plications of rectum	"	"	"
Cystoscopy	Hermaphrodite, undescended gonads	7/03/2011	7/06/2012
Laparoscopy	"	"	"
Vaginoscopy	"	"	"
Pena - redo	anal atresia, complic colost, spont closure	11/02/2012	5/06/2012
Pena c plication	anal atresia, anovestibular fistula	16/02/2012	6/06/2012
Rectal plication	"	"	"
Pena	vestibular anus	15/06/2010	6/06/2012
Pena	vestibular anus – megarectum	22/11/2011	5/06/2012
Rectal plication	"	"	"
Rectosigmoid resection	Megarectum	6/01/1997	9/06/2012

Symposium - Bosnia

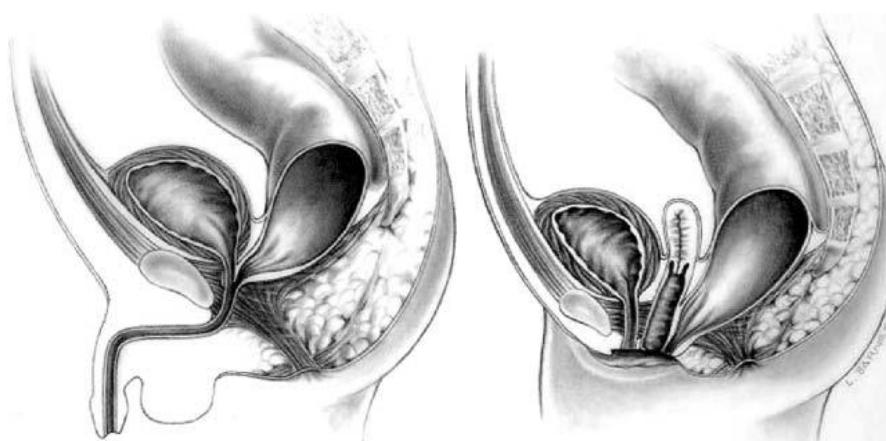
The symposium for Paediatric Urology and Radiology was attended by an international audience with the majority of the presentations being given by Dr Dewan and Dr Padma Rao. The mission to Bosnia received national press coverage, both in the television and print media.

**Međunarodni simpozium sa radionicom
Tretman anorektalnih anomalija
International Symposium with a work-shop
Treatment of anorectal anomalies**

Sarajevo, 04 - 09 juni 2012.

Patrick Arthur Dewan (Melbourne- Australia)

Padma Rao (Melbourne-Australia)



Institut za NIRR (naučno-istraživački rad i razvoj) i Klinika za dječiju hirurgiju KCUS
(Kliničkog centra Univerziteta u Sarajevu, Bolnička 25, Sarajevo)

(Institut za NIRR KCUS)

04.06.2012. (ponedeljak-Monday)

- 12:00 Svečano otvaranje - Opening Ceremony
- 12:15 Koktel dobrodošlice – Welcome Cocktail
- Odabrana predavanja – Selected lectures
- 13:00 Duplex systems (Patrick Dewan)
- 13:30 Prenatal hydronephrosis (Patrick Dewan)
- 14:00 Ultrasound of the Urinary Tract in Children (Padma Rao)

Paediatric Surgery in the Balkans - 2012

- 14:30 Urethral anomalies in males children (Patrick Dewan)
- 15:00 Neuropathic bladder and augmentation (Patrick Dewan)
- 15:30 Kafe pauza – Coffee break
- 16:00 Anorectal anomalies and cloacal anomalies (Patrick Dewan)
- 16:30 Imaging of Pelviureteric Junction Obstruction (Padma Rao)
- 17:00 Vesicoureteric reflux (Patrick Dewan)
- 17:00 Undescended testes (Patrick Dewan)

- 20:00 Svečana večera – Dinner party

05.06.2012.(utorak - Tuesday)

(Klinika za dječiju hirurgiju)

- 8:00- Operativni zahvati (anorektalne anomalije-PSARP-2 pacijenta)
Surgery (Posterior sagittal anorectoplasty – 2 patients)

06.06.2012.(srijeda- Wednesday)

- 8:00- Operativni zahvati (atresio ani cum fistula anovestibularis-3 pacijenta)
Surgery (anorectal anomaly with fistula anovestibulary – 3 patients)

07.06.2012. (četvrtak- Thursday)

- 8:00- Operativni zahvati (bilijarna atrezija i penoskrotalna hypospadija- **Ulaanbaatar** tehnika)
Surgery (biliary atresia; penoscrotal hypospadias- **Ulaanbaatar**)

08.06.2012. (petak- Friday)

- 8:00- operativni zahvati (kloakalna malformacija)
Surgery (treatment of cloacal malformation)

Sponzori - Sponsors





The photos above show the press coverage (left), and Dr Rao socialising with one of the members of the Paediatric Surgery Department.

Radiology - Bosnia

The radiology lectures formed part of the symposium and included the topics of:

1. Imaging of Pelviureteric Junction Obstruction
2. Urinary Tract Imaging in Children
3. Ultrasound of the Urinary Tract in Children

During the part of the course that included surgery, most of the day was spent by Dr Rao with the Paediatric Radiologists in the Radiology Department.

The Chief radiologist is Prof. Sandra Wegar. The others on the team are Dr. Irmina Sefic-Pasic, Dr, Amra Dzanaovic and Dr, Aida Vehabovic.

Bosnian Radiology training:

Following medical student training, students complete an internship year prior to taking the final state examination. If successful, doctors enter a four year residency of their choice, which may be radiology. In Bosnia, there is as yet no formally recognized paediatric radiology subspecialty. However, as in many places, some radiologists choose to informally subspecialise. At the hospital Kind Cuts for Kids visited, the “paediatric radiologists” perform studies in all systems apart from paediatric neuroradiology and interventional studies.

The European Society of Paediatric Radiology and the European School of Radiology do offer radiologists from the less well developed European countries the opportunity to spend time in other larger centres that have well developed paediatric radiology programmes, such as Graz in Austria and Ankara in Turkey.

Daily work:

The working day is from 07.30 am to 2.00pm. Radiologists provide an on call service, averaging about three on call days a month. When on call, the day begins at 2.00pm and the radiologist carries on until 08.00am the next day.

Most of the work is through the public sector. The average income is 1100-1200 Euros per month post tax. Private practice work does exist. Radiologists become eligible to perform studies on private patients either after they have had 10 years experience as a qualified radiologist or by doing a Masters degree.

Equipment:

Most studies are still being reported off hard copy. At the time of our visit, Agfa PACS stations were being instituted in the radiologists' reading room, with the plan being to institute them throughout the hospital.

Wireless internet is available in the hospital, but the department currently lacks computers to be able to use this facility.

General Xray equipment: Philips Optimus.

Fluoroscopy: The fluoroscopy machine has been broken for the last 5-6 years. The radiologists are able to use a fluoroscopy machine in another part of the department that is used for adult radiology, but they are only able to perform upper and lower gastrointestinal contrast studies on children using this. There is no current facility for performing a conventional micturition cystourethrogram. Instead, contrast MCUG with ultrasound is performed. This is thus an area whereby lack of equipment appropriate to the needs of children is having a deleterious effect on the radiological management of children.

Ultrasound (US): For adults, there are three US rooms. For paediatric patients two US rooms are available. One houses a Voluson 730 PRO machine. There are two probes; a linear Sp 6-12 and a curvilinear AB 2-7. Tissue harmonics is available on this machine. In the other room, a GE Logic P6 PRO machine is used for the US guided MCUG.

Magnetic Resonance Imaging (MRI): Three MRI machines are available in the department. There is a GE 1.5T, a Siemens 3.0T and a Siemens 1.5T. The paediatric general anaesthetic MRI list takes place on a Wednesday morning. Non-GA studies may also be performed on a Wednesday morning. This is the only time that elective paediatric MRI studies are performed. There is a facility for performing emergency paediatric MRI studies at other times.

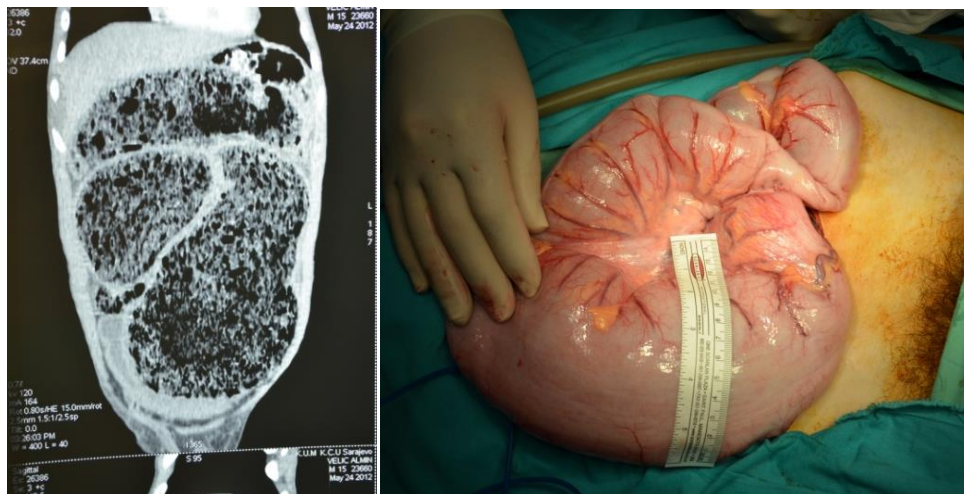
Studies performed with the radiologists:

I was involved with three studies with the local radiologists, one was a MCUG with pressure studies and the other two were US studies.

The Radiology Department would benefit from having computers available and good internet access so that the radiologists can access the many radiological journals and websites. Replacement of the currently broken paediatric fluoroscopy machine with a new low dose machine capable of image store facilities and easy coning so that radiation doses can be kept to a minimum is one of the priorities. With the enthusiasm and abilities of the current radiologists performing the paediatric radiology studies, we would like to see paediatric radiology established as a recognised subspecialty in Sarajevo. Specialist paediatric radiology training would in the first instance need to be in centres in other countries, such as Graz, Austria, with the radiologist needing to commit to specialist training of at least one year. There are likely to be financial implications in the funding of this. In the long term, and after the subspecialty has grown and established itself in Sarajevo, facilities for more in depth in house paediatric radiology training can be developed.



A teenage boy with a 10kg weight loss from the bowel prep prior to the surgery for a congenital megarectum.



Albania

Clinical Work – Albania

Thirty-three patients (10 female and 23 male) were treated; treatment that included 34 operations on 14 children, all of whom were obviously complex patients that had more than one procedure during the surgery.

Pathology	DOB	Date
Anorectal anomaly - ? Fistula	1/01/1990	11/06/2012
COPUM	11/07/2006	"
hypospadias	17/05/2002	"
COPUM	18/05/2008	"
Constipation - megarectum	14/02/2000	"
Cloacal anomaly	14/04/2000	"
Anterior meningocele - constipation	26/01/2003	"
Hypospadias - intersex	14/08/2009	"
Ambiguous genitalia, hypospadias	30/09/1998	"
COPUM + Minor Hypospadias	29/09/2009	"
PUJ - L; Pelvic R	19/09/2006	"
Anorectal anomaly	8/01/2012	"
Duplex R + obstructed L + Ureterocele	3/04/2009	12/06/2012
Neuropathic - ?	16/10/2004	"
Neuropathic bladder	30/06/1996	"
COPUM - ureterostomy	11/09/2009	"
Anorectal anomaly	3/04/2012	"
PUJ obstruction - LLPV; pelvic R	20/03/1997	"
COPUM, delayed drainage left system	22/02/2008	"
PUJ - leak post Pyeloplasty	31/01/1999	"
COPUM; single kidney	5/10/2003	"
COPUM + Minor Hypospadias	29/09/2009	"
Calculus - left kidney	14/09/1999	"
Calculus - left kidney	9/12/2006	"
Renal calculus - right	8/06/2004	13/06/2012
VUR - ? Urethra	26/11/2001	"
COPUM - wetting	11/08/2005	"
Bilateral PUJ - pyelostomy	17/12/2011	15/06/2012
VUR RAN	24/08/1991	"
COPUM - Mitrofanoff	18/11/2005	"
Renal dysplasia	1/01/2012	"
Hinman bladder - autism	31/03/2005	"
VUR duplex	10/03/2003	"

Surgery Performed - Albania

Operation	Pathology	DOB	Date
COPUM Fulguration	COPUM - bifid sacrum	16/10/2004	13/06/2012
Cystoscopy	"	"	"
DJ stent removal - L	"	"	"
DJ stent removal - R	"	"	"
Cystoscopy	Anorectal anomaly	1/01/1990	12/06/2012
COPUM Fulguration	COPUM	11/07/2006	13/06/2012
Cystoscopy	"	"	"
Urodynamics	"	"	"
Transureteroureterostomy - LR	"	"	"
Ureterocystoplasty	"	"	"
Ureterodiverticulostomy	"	"	"
Hypospadias - redo	hypospadias	17/05/2002	12/06/2012
Cystoscopy	COPUM	18/05/2008	11/06/2012
Urodynamics	"	"	"
COPUM Fulguration	"	"	12/06/2012
Cystoscopy	COPUM - ureterostomy	11/09/2009	13/06/2012
Ureteroscopy	"	"	"
Transureteroureterostomy - LR	"	"	15/06/2012
Cystoscopy	PUJ - leak post Pyeloplasty	31/01/1999	12/06/2012
DJ Stent insertion	"	"	"
Perinephric collection drainage	"	"	"
Cystoscopy	"	"	15/06/2012
DJ Stent insertion	"	"	"
Hypospadias - UB II	Hypospadias - intersex	14/08/2009	11/06/2012
Hypospadias - UB II	Ambiguous genitalia, hypospadias	30/09/1998	11/06/2012
COPUM Fulguration	COPUM + Minor Hypospadias	29/09/2009	12/06/2012
Cystoscopy	"	"	"
Pyeloplasty - L	PUJ - L; Pelvic R	19/09/2006	11/06/2012
Laparotomy	Anorectal anomaly	8/01/2012	14/06/2012
Pena	"	"	"
Rectal resection partial	"	"	"
Nephrolithotomy	Calculus - left kidney	14/09/1999	13/06/2012
Nephroscopy	"	"	"
Nephrolithotomy	Calculus - left kidney	9/12/2006	13/06/2012