

Working in War Zones

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CANADIAN FORCES HEALTH SERVICE

Major Anne McCarthy MD, FRCPC, DTM&H, CD







AUSMED Physicians One year after president shot down

Nine months after war Still so much unexploded mines and grenades – Childrens' play toys

Surgical and Medical Team Looking after UN forces Humanitarian Services to Local Orphanages

Kigali 1995



In 1997 it was off to Haiti to work as the internist with the US Support group in Port aux Prince.

We again provide humanitarian care, often.

Canadian Contingent with the US Support Group Haiti 1997



Orphanage in Port au Prince, Haiti

In collaboration with Mother Teresa's sisters of Charity who do amazing work!!

Tuesday afternoons – 3 or 4 hours doing clinical rounds in the orphanage with these sisters. Despite little or no formal medical training, they ran the equivalent of a neonatal/pediatric ICU - where they provided miraculous care.

I was humbled by their dedication, innovation and effectiveness.



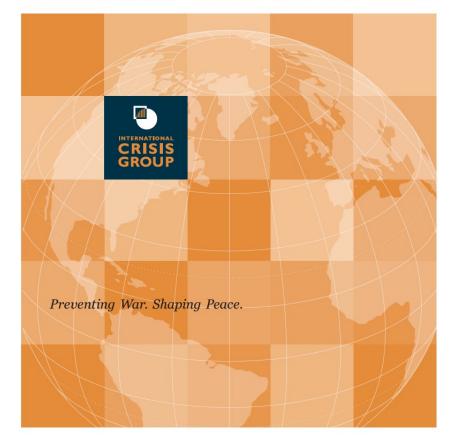
Surgical Clinic Saturday Mornings Cité Soleil

Very busy clinic run by Sisters of Charity.

Lazarus child...

Watch List 2024

Crisis Group's early-warning Watch List identifies ten countries and regions facing deadly conflict or escalation of violence. In these situations, early action, driven or supported by the EU and its member states, could generate stronger prospects for peace. The Watch List 2024 includes a President's Take and detailed conflict analyses on Afghanistan, Egypt, Guatemala, Israel/Palestine, Kosovo/Serbia, Sahel, Somalia, Philippines, Ukraine and Venezuela.



As of Jan 2024:

- headline conflicts of 2023 rage in Ukraine, Gaza and Sudan;
- the Middle East is inching ever closer toward regional conflagration;
- little suggests that long-running conflicts from the Sahel to Myanmar are anywhere near abating.

2024 also promises change and uncertainty, with national elections in 64 countries, some of which could have enormous geopolitical consequence. Perhaps foremost among these is the election in the United States. Responsibility for comprehensive care of military members

- BEFORE
- DURING

• AFTER

BEFORE

- Optimize preventive measures occupational pre travel assessment
 - Need to keep in mind what each of members going to do in theatre
 - May be restrictions on what meds they can take

BEFORE

- Preventive Medicine Section stratify risks and provide guidance (orders) to mitigate that risk
- Prep with plan for health maintenance management of injuries and illness

Living conditions – sometimes you are lucky – inside the wire





Then there are those "outside the wire" The ones living and sleeping in the dirt Those living and working a the pointy end



DURING

- Provide safe food and water and sanitation
 - Real challenge for those who are living outside of compound
- Security

DURING

- Provide first aid
- Provide life saving medical care
 - With plans as to level of care in theatre and when and where to transfer
- Should have debriefing and support as needed in theatre

<u>AFTER</u>

- Many things from in theatre exposures may be incubating
 - Malaria
 - Leishmaniasis
 - Wound infections
- Need to anticipate what may happen on return

<u>AFTER</u>

- Should have ongoing access to debriefing and support as needed in theatre
 - Many missions with gradual re-orientation to "real life"
 - However, it does delay time to returning home
 - Frustration for military members as well as those waiting at home
- Cannot underestimate risk of PTSD, need for ongoing support
 - Even those with great coping mechanisms and resilience can be broken down by repeated stressful missions

Often end up managing local populations

Children in Conflict Zones

Lt Col AN Prasad*, Brig PL Prasad+

Abstract

The nature of war has changed dramatically. Today's conflicts happen where people live and they take a brutal toll on children. Heavy bombardment and destruction in war creates a humanitarian crisis where there is lack of adequate food, clean water and medicine. The consequences of war can have major impact on the health of children for years to come. Traumatic events can have a profound and lasting impact on the emotional, cognitive, behavioral and physiological functioning of an individual. Depending on the circumstances, the psychosocial impacts of disasters can range from mild stress reactions to problems such as anxiety, depression, substance abuse and post traumatic stress disorders (PTSD).

MJAFI 2009; 65 : 166-169

Key Words : Conflict zone; Children; Child health; Street children

First World War, civilians accounted for 5 percent of casualties.

Second World War the figure rose to 48 per cent.

2009, up to 90 per cent of casualties are civilians - an increasing number of these are women and children

Clinical examples



37 year old soldier Afghanistan Aug 2006-Feb 2007 Mid January 3 small papules on her forehead Blistered, became pruritic, increasing size

In Afghanistan on patrol - routinely sleeping outside

No bed nets, minimal PPM/insect precautions

Sleeping on mattress in sleeping bag - very close to ground

During daytime - always wearing headdress



Pathological diagnosis cutaneous leishmania – lot of giemsa stained organisms in histiocytes

Initial - delayed treatment due to career course Stibogluconate - limited response - pancreatitis Lipid ampho B - poorly tolerated - excellent results

Is this the same thing? If not – why not?

A

Soft tissue infefction with MSSA, rapid response to oral therapy.

In summary

- Preparation for military members going into conflict involves a lot of steps routine used in travel medicine consults
- Need to provide guidance for large variety of individuals, jobs, resources
- Try to anticipate every possibility of care needed, full plan for stabilization and movement to higher level of care
- Responsible for pre, during and post deployment
 - On return may be living in areas without the knowledge or capability to look after more exotic diseases.







