

SMARTS - Approach
山嶺傷者處理

LOOK FIRST
S.M.A.R.T.S.

SEARCH 搜索

- Scene Survey 現場評估
- Safety 整體安全程度
- Situation 目前狀況

FIRST LOOK
S.M.A.R.T.S.

Mechanism of Injury
受傷機制



FIRST LOOK
S.M.A.R.T.S.

General Impression	整體印象
Response (AVPU)	傷者反應 (AVPU)
Normal Breathing	正常呼吸
Catastrophic haemorrhage	致命性出血

START CPR if needed
如有需要，開始心肺復蘇

S.M.A.R.T.S.

ACCESS 安全接觸傷者
&
Assessment 初步檢查
(Primary)

Assessment (Primary)_
初步檢查 ABCDE

A irway	氣道處理
B reathing	呼吸
C irculation	血循環
D isability	神經系統功能障礙
E xtrimities &	肢體損傷
E nvironmental Problem	環境可能造成傷害

Assessment (Primary)
初步檢查 ABCDE

Airway	氣道
- Open	張開氣道
- Clear	清理氣道
- Maintain	維持氣道暢通
+C-Spine Control	+ 保護頸椎

Assessment (Primary)
初步檢查 ABCDE

Airway???	氣道???
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Assessment (Primary)
初步檢查 ABCDE

Airway???	氣道???
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Assessment (Primary)
初步檢查 ABCDE



The image shows two oxygen cannulas (nasal prongs) and one oxygen mask, which are essential pieces of equipment for primary assessment in a medical setting.

Assessment (Primary)_
初步檢查 ABCDE

Breathing 呼吸

- Adequate?? 足夠呼吸??
- Pneumothorax?? 氣胸??

Assessment (Primary)_
初步檢查 ABCDE

Breathing 呼吸



The image shows a close-up of a patient's chest with a significant laceration and active bleeding, illustrating a potential life-threatening injury that requires immediate attention during the breathing assessment phase.

Assessment (Primary)_
初步檢查 ABCDE

Circulation 血循環

- Signs of Shock
檢查是否休克
- Control External Bleeding
制止外出血
- Check for Internal Bleeding
檢查是否有內出血

Assessment (Primary)_
初步檢查 ABCDE

Disability 神經系統功能障礙

- Conscious Level: AVPU 清醒程度
- Pupils size and reaction 檢查瞳孔



- Limb movement and sensation 四肢運動 / 感覺

Assessment (Primary)_
初步檢查 ABCDE

Disability 神經系統功能障礙

- FAST 測試 [談笑用兵]
 - Facial Droop 面部表情不對稱
 - Arm weakness 一邊手臂無力 / 感到麻痺
 - Slurred Speech 表達或說話困難
 - Time of on-set 癱瘓出現時間

Assessment (Primary)_
初步檢查 ABCDE

Extremities &
Environmental Problem

肢體損傷及
環境可造成傷害























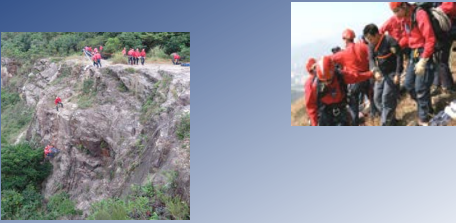


Environmental Problem
環境可造成傷害

S.M.A.R.T.S.
Rapid Treatment
快速治療

- Only treat life threatening injuries at scene, treat other injuries during transport to avoid delay.....
- 於現場只處理以下有生命危險之傷勢, 其他的處理應只留在送院途中再進行以免延誤送院時間.....

S.M.A.R.T.S.
Transport Decision
運送考慮





Load & Go vs Stay and Play

Inadequate Breathing 不足夠的呼吸
Inadequate Circulation 不足夠的血循環
Decreased Conscious Level 清醒程度下降
Abdominal Tenderness 腹部觸痛
Unstable Pelvic Fracture 不穩定的盆骨
Fracture Femur 股骨骨折

S.M.A.R.T.S.
Secondary & on-going survey
 詳細及持續查檢

S.M.A.R.T.S.
Secondary survey 詳細查檢

- Vital Signs 生命表徵
- "SAMPLE" History 病歷
- Head to toe examination 由頭至腳全身檢查
- Further treatment 進一步包紮傷口 / 搬出夾板
- Close monitoring 密切觀察傷勢，生命表徵之改變

SAMPLE 病歷

• Symptom	主要申訴
• Allergy	藥物過敏
• Medication	服用之藥物
• Past health	健康狀況
• Last meal	最後之飲食
• Events preceding	事故經過

S.M.A.R.T.S.

- On-going Survey for changes
持續監察傷勢之改變
- Every 5 -10 minutes or condition changes
每五至十分鐘一次或當傷者情況改變時
- 「ABCDE」 Re-assessment 重複檢查
- Vital Signs 生命表徵
- Check all treatment given
檢查已給與之治療

Wilderness First Aid 2009

AT MIST 報告

- Age and Gender 年齡及性別
- Time of incident 事故時間
- Mechanism 事故經過
- Injury identified 主要傷病
- Signs (updated Vitals) 生命表徵
- Treatment given 曾作處理

SMARTS - Mountain Casualty Handling 山嶺傷者處理		
Louis Chow - June 2014		
S	Scene Survey 現場評估 Safety 警覺安全程度 Situation 目前狀況	Check for potential danger Number of casualty Requirement of additional rescue tools Requirement of additional support Use of Personal Protective Equipment (PPE) 檢查潛在危險 傷者數目 是否需帶上工具 是否需帶支援 使用個人保護裝備
M	Mechanism of Injury 受傷機制	General Impression Response (AVPU) Normal Breathing Catastrophic haemorrhage 總體印象 傷者反應 (AVPU) 正常呼吸 致命性出血
A	Access 安全設備檢查 Assessment 初步檢查	Airway + C-Spine Control Breathing Circulation Disability Extremities and Environmental Problem 氣道管理 + 頸椎控制 呼吸評估 循環評估 神經系統功能評估 肢體與環境問題
R	Rapid Treatment 快速治療	Triage the threatening injuries 處理有生命威脅之傷者
T	Transport Decision 運送考慮	Decision of Load and Go situation Use improvisation method to avoid delay transport 考慮傷者是否需暫留現場 使用臨時急救措施，以免延誤送院時間
S	Secondary & On-going survey 詳細及持續檢查	Head to toe examination SAMPLE History Signs & Symptoms Allergies Medications Past Medical History Last meal Events preceding Check Vital Signs and Treatment given 全身檢查 SAMPLE 史徵 觀察症狀主要申請 對過敏反應藥物 現在服用藥 用任何藥物 過去病史及最近進餐 最後進食時間 緊接前事件 檢查生命表徵及已給與之治療