

Prevention of Infective Endocarditis

- ATB prophylaxis

• cardiac condition with highest risk of adverse outcome from endocarditis

① Prosthetic cardiac valve / Prosthetic material used in valve repair

② Previous IE

③ Congenital heart disease :

3.1.) unrepaired cyanotic CHD, palliative shunts and conduits

3.2.) completely repaired CHD with prosthetic material/device
by surgery / interventional → during first 6mo after the procedure

3.3.) repaired CHD with residual defects at $\left\{ \begin{array}{l} \text{the site} \\ \text{adjacent to the site} \end{array} \right.$ of a prosthetic patch / device

④ cardiac transplantation recipient who develop valvulopathy

• Procedure

1) Dental procedure

: All procedure that involve manipulation of gingival tissue / periapical region of teeth / perforation of oral mucosa

(ไม่มี ms ที่ 2.3.1.3 prophylaxis: ฝึกการทำให้ non infected tissue, x-ray, 13u/9u ในน้ำจืดฟัน, ฟันน้ำนมหลุด, bleed from mucosa trauma)

2) Respiratory tract procedure

: invasive procedure $\left\{ \begin{array}{l} \text{incision} \\ \text{biopsy of respiratory tract mucosa} \end{array} \right.$ ex. tonsillectomy

3) Procedure on infected skin, musculoskeletal tissue

* GI, GU tract procedure is not recommended

• Some special population

① on long-term ATB ซึ่งใช้ ATB ที่อยู่ 90% IE prophylaxis

ex. on ATB to prevent recurrent of rheumatic fever

ใช้ 90% ATB ที่อยู่ 90% 18u 7u7 clindamycin, azithromycin 11mu

และ ATB ที่ risk 21% 100% 11u

② on anticoagulant

↳ avoid IM medication

③ undergo cardiac surgery

↳ placement of prosthetic heart valve / intravascular or intracardiac material

↳ S. aureus, coagulase-negative staph, diphtheroids

↳ preop, periop, post op ATB

↳ 48h 1.500g 40mg 1000g

• regimen for dental procedure

single dose, 30-60 min pre-op

		adult	children
10 oral	amoxicillin	2g	50 mg/kg
10 unable to take oral med	ampicillin /cefazolin / ceftriaxone	2g IM, IV 1g IM, IV	50 mg/kg IM, IV

10 Allergic to penicillin

oral	cephalexin	2g	50 mg/kg
	/clindamycin	600 mg	20 mg/kg
	/Azithromycin, clarithromycin	500 mg	15 mg/kg
unable to take oral med	cefazolin / ceftriaxone	1g IM, IV	50 mg/kg IM, IV
	clindamycin	600 mg IM, IV	20 mg/kg IM, IV