

Addiction Side Effects

Irritability
 Poor Sucking Reflex
 Poor Weight Gain
 Seizures
 High Muscle tone
 Automatic Nervous System Dysfunction

History-Heroin

1874 Made in UK pharmacy
 1897 Hofman promotes heroin as a safe alternative to morphine
 1914 Narcotics act
 1915 Heroin black market began
 1924 Congress banned production

Sources of Opium

Legal 50% grown in Tasmania
 Illegal Golden Triangle - SE Asia
 Golden Crescent - Africa

History-Opium/Morpheme

2100 BC Sumerian Clay tablet use
 1500 BC Greeks may have used it for sedation
 17th CE British control of Opium
 1750 Opium became a commodity
 1804 Isolated by F-Seturner
 1817 First distributed by seturner and co
 1827 Fully commercialised
 1839-1842 First Opium Wars
 1856-1860 Second Opium Wars
 1843: Dr Wood invents Hypodermic Needle
 After the American Civil War, many of the troops were addicted to morphine, they were given it to help them re acclimate to normal life

Effects of Morphine

Pain Relief
 Binds to receptors in brain as an agonist
 Lowers Brain's perception of Pain
 Euphoria

Duration of Effect

Morphine	Activation: 20 Mins Lasts: 4 Hours
Meperidine	Activation: 15 Minutes Lasts: 2 Hours
Fentanyl	Activation: 5 Minutes Lasts 45 Mins



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