

INDOCIN®
(Indomethacin)

confirmed clinically by observations in patients with Hodgkin's disease, acute rheumatic fever, and a variety of other acute febrile conditions.

Analgesic Activity

Laboratory tests designed to detect mild analgesic activity indicate that indomethacin is more potent than aspirin or aminopyrine.

Absorption and Excretion

INDOCIN is well absorbed after oral administration in all animals, including man. In dogs, monkeys, rats, and man, peak plasma levels after an oral dose occur within 0.5 to 2 hours. The drug present in the plasma of dog and man is virtually all unchanged indomethacin, but a metabolite (probably the glucuronide conjugate) may be present for the first half hour after intravenous injection in the guinea pig.

The route of excretion is related to the species of animal and is independent of the route of administration or size of dose. Nearly all the compound could be recovered in urine and feces. The rabbit eliminates indomethacin almost entirely in the urine, while the dog excretes nearly all the compound in the feces. The rat, guinea pig, monkey, and man eliminate it by both routes. In man, about two-thirds of the drug is excreted in the urine.

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In rabbits, rats, guinea pigs, and monkeys, some indomethacin is metabolized by deacylation or demethylation and the metabolites are excreted in the urine as such or as the glucuronide conjugate. In man, however, no evidence of molecular breakdown has been observed, and virtually all of the material excreted in the urine is indomethacin glucuronide.

AVAILABILITY

No. 3316—INDOCIN capsules, 25 mg. each, are opaque blue and white, imprinted with an MSD trademark and potency, and are supplied in bottles of 100.

REFERENCES

- Billko, P. J., Wollheim, F., and Williams, R. C., Jr.: Indomethacin: A New Antirheumatic Agent, *Minnesota Med.* 47: 777, July 1964.
- Boland, E. W.: Nonspecific Anti-Inflammatory Agents, Some Notes on Their Practical Application, Especially in Rheumatic Disorders, *California Med.* 100: 145, March 1964.
- Catoggio, P. M., et al.: Indomethacin in Rheumatoid Arthritis: Properties, Side-Effects, Arthritis & Rheumatism 7: 300, June 1964 (in Soc. Proc.).
- Clark, G. M.: Indomethacin in Rheumatoid Arthritis, Arthritis & Rheumatism 7: 300, June 1964 (in Soc. Proc.).