



# Phase 3 HERO Study Design: Evaluation of the Safety and Efficacy of Relugolix, a Novel Oral GnRH Receptor Antagonist, in Men with Advanced Prostate Cancer

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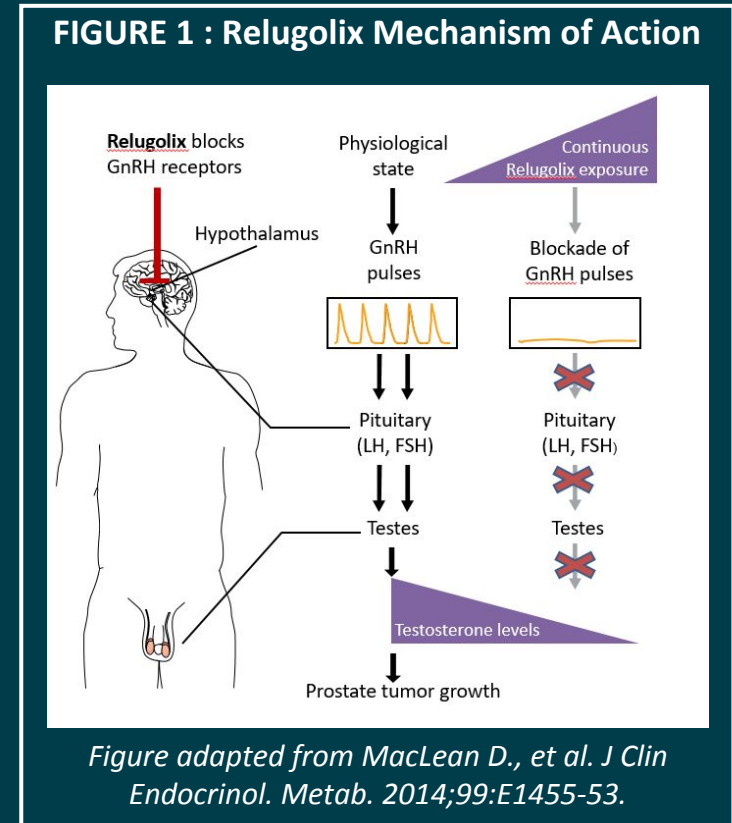
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## RELUGOLIX, AN ORAL GnRH RECEPTOR ANTAGONIST

- Androgen deprivation therapy (ADT) is the mainstay of treatment for unresectable, locally advanced or metastatic prostate cancer.<sup>1</sup>
- Relugolix is an oral, once daily, potent and selective non-peptide gonadotropin-releasing hormone (GnRH) receptor antagonist in development for the treatment of men with advanced prostate cancer (Figure 1).
- Unlike injectable GnRH agonists, oral relugolix lowers testosterone within 2 days by inhibiting pituitary release of both follicle-stimulating hormone (FSH) and luteinizing hormone (LH).<sup>2, 3</sup>

## PHASE 2 CLINICAL TRIALS

- Demonstrated sustained testosterone suppression to below castration levels in > 90% of men over 24 weeks in two Phase 2 studies:
  - Men with androgen-sensitive prostate cancer (n = 95) randomized to relugolix, 80 or 120 mg orally once daily or leuprolide acetate injections, q 3 months.<sup>2</sup>
  - Men with localized prostate cancer and neo/adjuvant ADT with external beam radiation therapy randomized to relugolix 120 mg orally once daily or degarelix injection, monthly.<sup>3</sup>
    - Higher median levels of testosterone were demonstrated 12 weeks after treatment discontinuation with 120 mg once daily relugolix vs degarelix 4-week depot (257 vs 30 ng/dL).<sup>3</sup>

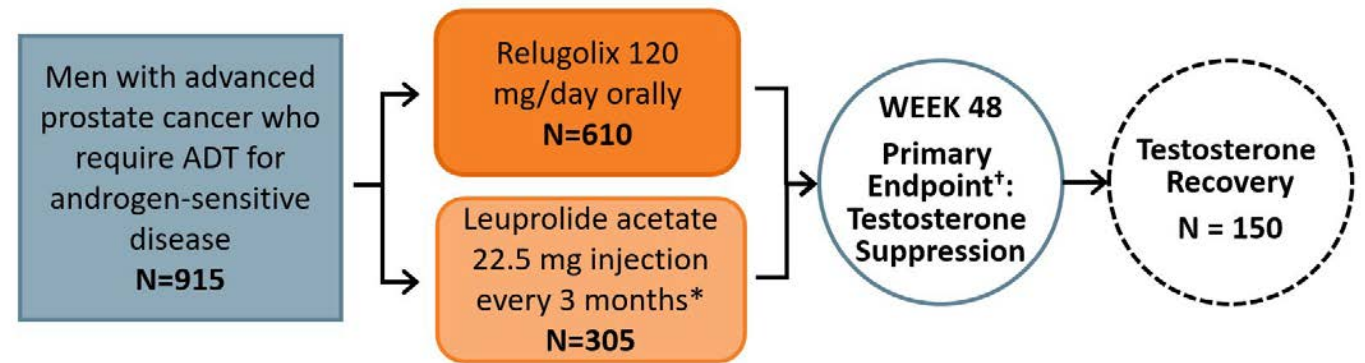


## STUDY DESIGN

- The Phase 3 HERO study was designed to gain regulatory approval, if successful, in the US, Canada, EU, Japan and China.
- Approximately 1100 men with advanced prostate cancer will be enrolled from ~200 sites globally.
  - 915 were targeted for the primary endpoint analyses (Figure 2).
  - A further 120 men with metastatic disease are targeted for a key secondary endpoint: risk of progression to castration resistance during the 48 week treatment period.

Figure 2. HERO Study Design

DURATION	48-week treatment period
KEY ENDPOINTS	Primary endpoint: maintaining sustained testosterone suppression ( $\leq 50$ ng / dL)
	Key secondary endpoint: risk of progression to castration resistance during the 48 week treatment period



\*In some Asian countries, men may receive the approved dose of 11.25 mg leuprolide acetate every 3 months.

†The primary analysis of efficacy and safety will be conducted after the first 915 patients (non-metastatic and metastatic) have completed study treatment.

## CURRENT STATUS

- The Phase 3 HERO study in men with advanced prostate cancer has completed enrollment of 934 men for the primary endpoint analysis.
- Top-line results from the HERO study are expected to be announced in 2019.
- The HERO study continues to enroll men with metastatic disease to evaluate a key secondary endpoint designed to demonstrate superiority of relugolix over leuprolide acetate to decrease the risk of progression to castration-resistant disease, and patients in China.