WEARABLE CHEST PUMP

inducing lactation stimulation & improved milk extraction

Opportunity for improvement

(wireless & hands free)

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Advances
“I do want a child that’s biologically mine and I can get pregnant… I do have the ability to do that, so why should I not?”

Of trans fathers and male mothers – the importance of centering experience
“I had to decide whether I was going to be able to be who I actually am, or have a baby”

Detransitioning

Going off testosterone and initiating treatment and tracking of ovulation. Experience immediate changes describes as a significant unpleasant feeling.

Changes in:
- Skin
- Percentage of fat
- Emotional behavior

Fertilization

Trans people may conceive in a variety of ways: through intercourse, sperm donation, or assisted reproductive technologies

- $500-$1000 a cycle or attempt for each month
- 20-25% chances per cycle for under 35 y/o

Prenatal care

Trans and non-binary birth parents deserve a fair and equitable access to social and healthcare services, and respect for their experiences. Men and non-binary people can be excluded from services and legal protections in pregnancy, with potentially tragic consequences.

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Carrying & Delivery

Men and non-binary people can be excluded from services and legal protections in pregnancy, with potentially tragic consequences.

FertilityIQ: All The Best Fertility Information

Mental health & fertility: Breaking down every important step, making it mental health friendly and accessible.

Physical changes

Transmasculine practices of pregnancy and birth bring new meanings to gendered and embodied identities.

Trans male pregnant people usually experience and increase of body and gender dysmorphia during pregnancy especially on how they are perceived in public.

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“[Seahorsefilm.com](http://seahorsefilm.com) SEAHORSE is directed by acclaimed filmmaker Jeanie Finlay (GAME OF THRONES: THE LAST WATCH; ORION: THE MAN WHO WOULD BE KING) and produced by Andrea Cornwell (SAINT MAUD; APOSTASY), Jeanie Finlay and Oscar-winning Grain Media (THE WHITE HELMETS; VIRUNGA…

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Trans male pregnant people usually experience and increase of body and gender dysmorphia during pregnancy especially on how they are perceived in public.
“I’ve seen how guys carrying babies have been treated, I don’t deserve that”

What Makes a Baby - Cory Silverberg

What Makes a Baby is a book for every kind of family and every kind of kid. It is a 21st century children’s picture book about where babies come from that reflects the reality of our modern time by being inclusive of all kinds of kids, adults, and families.
Non-gestational Cis gender men
Non-gestational Cis gender women
Gest parents
Non-gestational parents Trans men
Non-gestational parents Trans woman
Non-gestational Cis gender women

Gestational parents Cis woman

Gestational parents breast reduction surgery women

Non-gestational parents Trans woman

Gestational parents Transgender men

Gestational parents breast reduction surgery Trans men
Advances

- Mobility
t  (wireless & hands free)
- Convenience
  (silent & apps control)

Opportunity for improvement

- Contour and nipple adaptation
- Cost ($300 - $500)
- Projection
  (up to 2 cups)
- Environmentally friendly
- Battery & motor
This project presents PneUI, an enabling technology to build shape-changing interfaces through pneumatically-actuated soft composite materials. The composite materials integrate the capabilities of both input sensing and active shape output. This is ena...
Firm strokes towards the nipple

Lightly massage with the finger tips

Press toward chest wall the pinch nipple

Firm strokes toward all around the nipple

Press and massage in circular motion

Press with hand palms encircling the breast
1. Vest
2. Air chambers' sheet
3. Flanges
4. Seals
5. Milk containers
**COMPiled VIEW**
- Spandex fabric

**FRONT VIEW**
- Seal assembly

**BACK VIEW**
- Battery and motor
FRONT VIEW

Pouch and valve

SIDE VIEW

Seal assembly

TOP VIEW

Solid BPA free plastic
13 Air chambers

Vacuum forming PBA free plastic

Air pipes

Vest manual alignment with the flange seal
SEAL
Close system for maximum hygiene

CONTEINER
Reusable pouches (fridge containers)

POCKET

COMPiled VIEW
Attachment to flanges & vest