

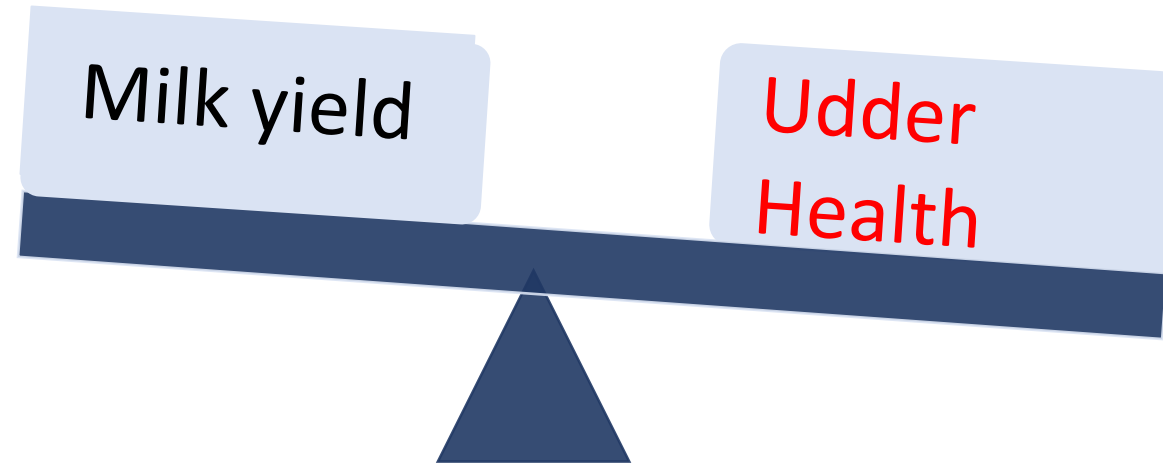


REPRODUCTIVE HERD HEALTH

Doç. Dr. Halit Kanca

Udder Health

Breeding studies; mastitis has a significant effect on the increase.

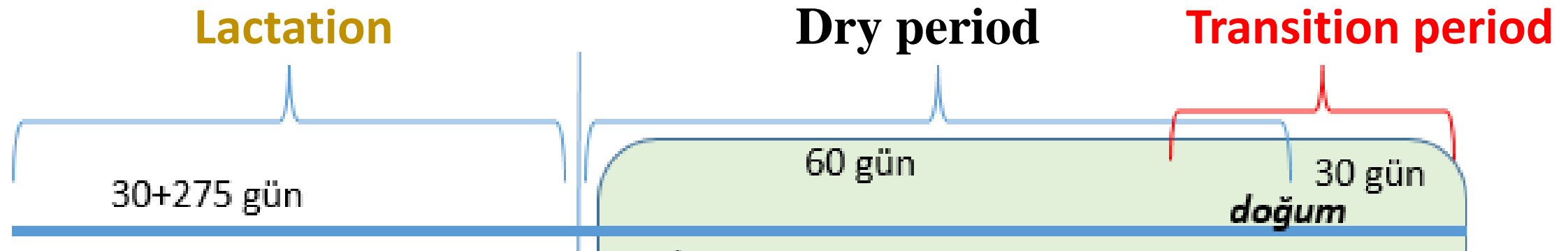


Most of the intra-udder infections have been shown to be related to dry period, transition period and management of these periods.

Udder Health

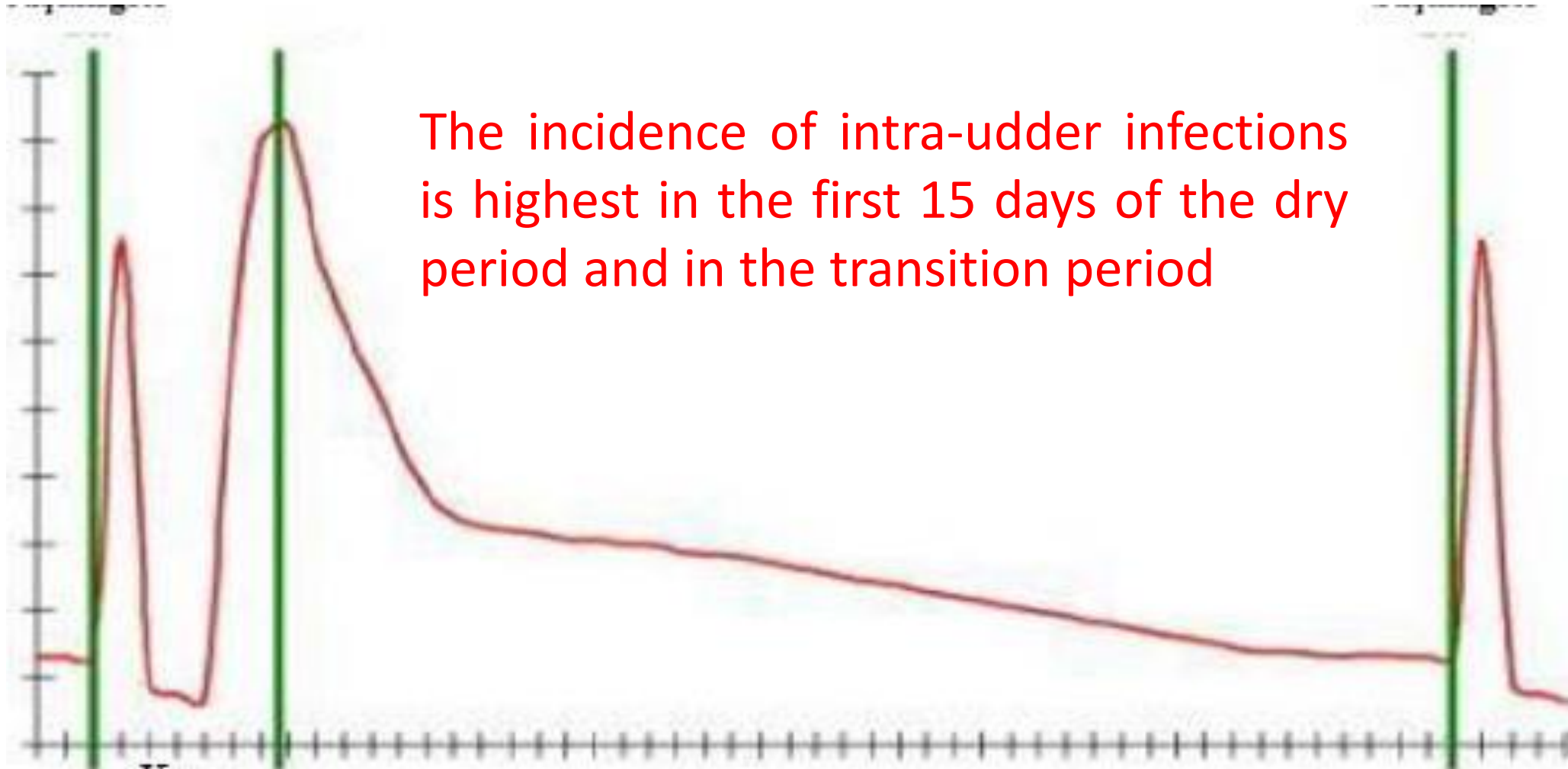
Dry period; period between the stopping of milking and milk production in the prepartum period and delivery.

Transition period; prepartum 3 weeks and postpartum first 3 weeks.



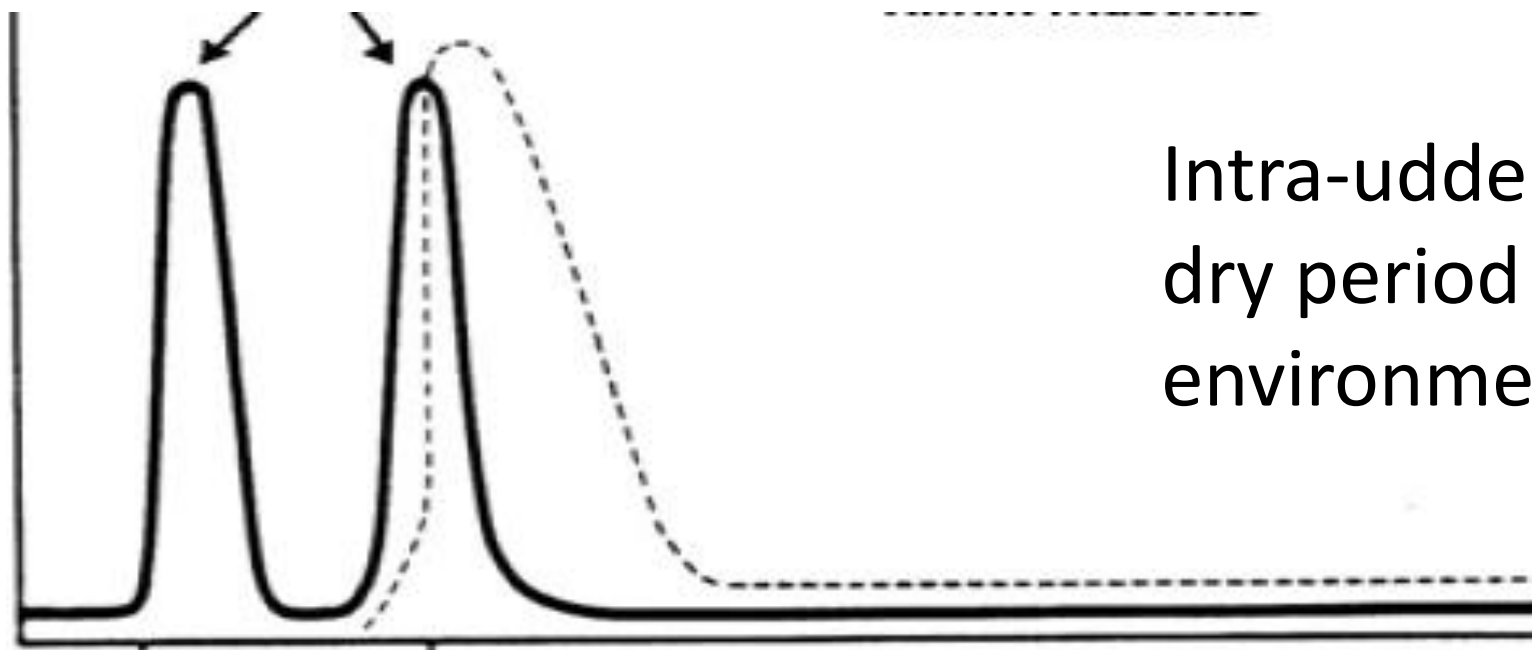
At the end of this period, a calf and a healthy mother are essential for profitability and sustainable production.

Udder Health



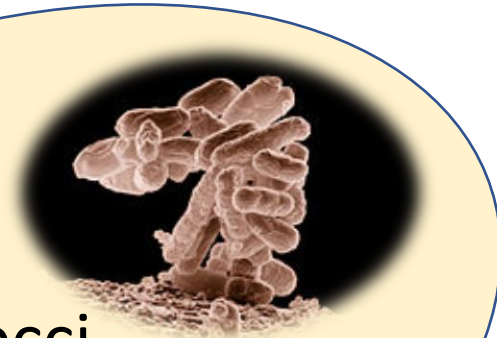
The incidence of intra-udder infections is highest in the first 15 days of the dry period and in the transition period

Udder Health



Intra-udder infections during dry period are mostly caused by environmental pathogens.

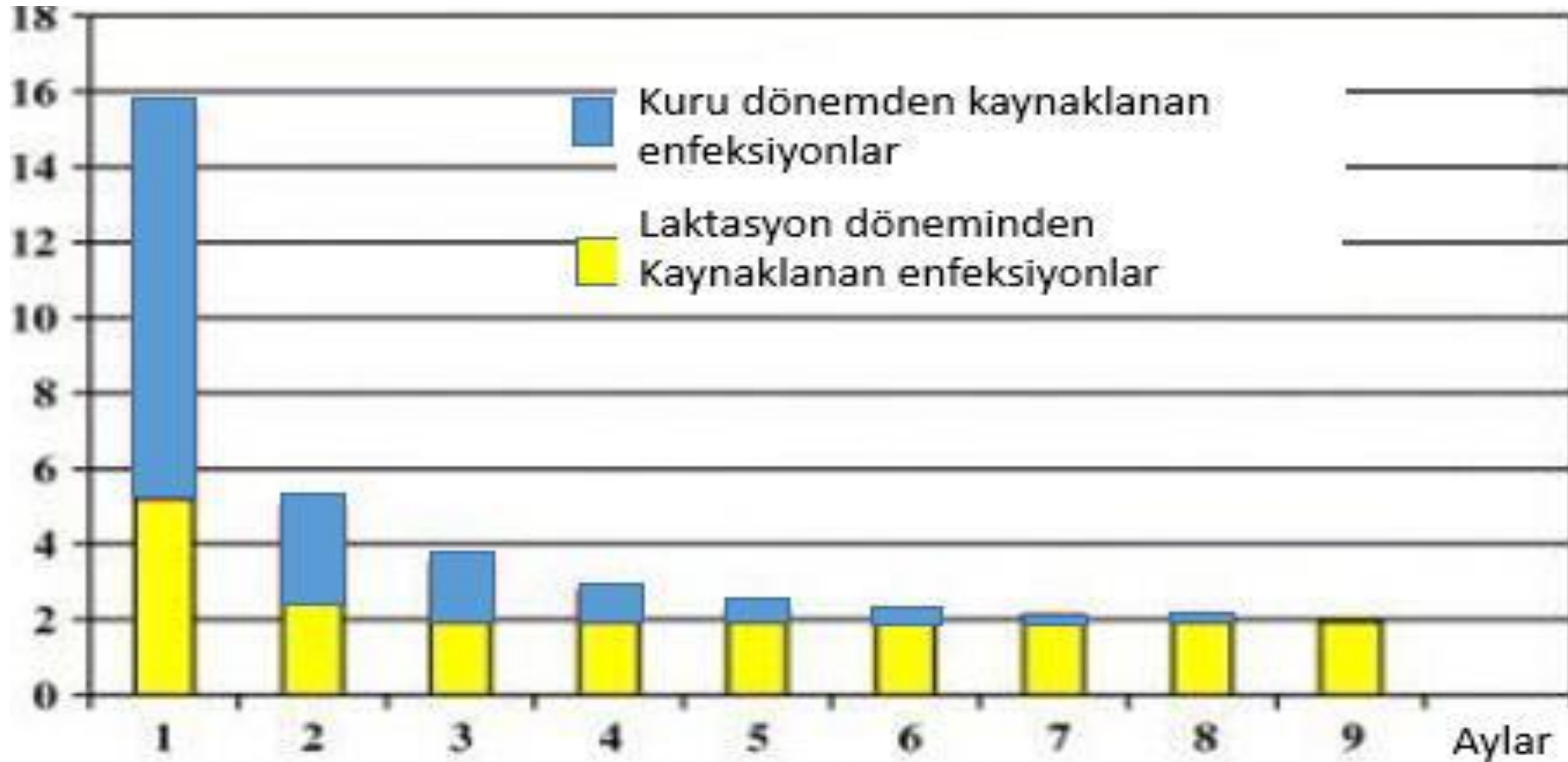
Intra-Udder Infections of Dry Period and Transition Period



- *E. coli*
- Streptococci
- Klebsiella
- Enterobakter

Udder Health

60% of mastitis originated from dry period.



DRY AND TRANSITIONAL MANAGEMENT IN TERMS OF UDDER HEALTH

1. General Dry Term Treatment

Systemic and intramammary antibiotic applications after lactation

Possible clinical mastitis rate reduced by 50%

Elimination of 98% of existing infections

2. Selective Dry Term Treatment

In enterprises where the risk of intra-udder infections is low

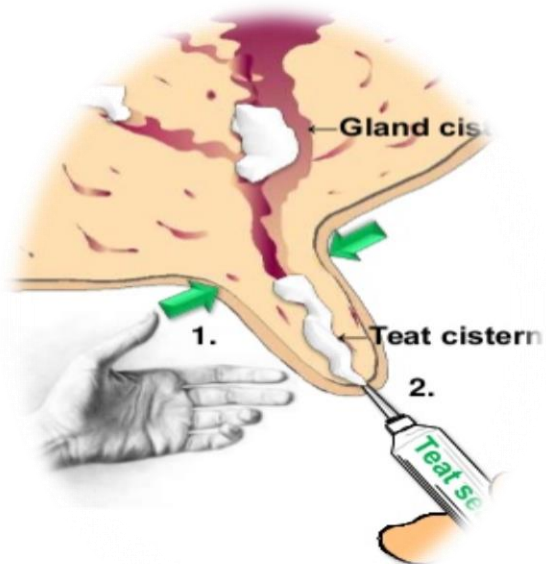
Avoiding the negative effects of antibiotics

SCC, mastitis history, history of staph.aureus during lactation

DRY AND TRANSITIONAL MANAGEMENT IN TERMS OF UDDER HEALTH

Teat Dipping and Teat Sealing Application

Chlorhexidine 0.55% combined with iodine 1% preparations can be used as. Especially reduces the incidence of E. coli infections



DRY AND TRANSITIONAL MANAGEMENT IN TERMS OF UDDER HEALTH

Dry Term Vaccination

<i>E.coli</i> J5	% 80 Success	(Gomes ve Henriques, 2016).
<i>There is no effective vaccine against all environmental pathogens, especially Streptococci</i>		(Smith ve Hogan, 1999; Gomes ve Henriques, 2016)
DNA and recombinant protein vaccines against S.Aureus	Success Variable	(Hogan ve Smith, 2003).

GROUPING IN MILK COWS IN DRY AND TRANSITIONAL PERIOD

Kuru ve Geçiş Dönemi Gruplandırması

Far-off	Close-up	Parturition	Lactation
From the beginning of the dry period to the third week	Prepartum 3rd week to delivery	Average duration is 3 days	pre-fresh and fresh Group