

IRF Programs – Quarter Report April - June 2015

Sumatran Rhino Sanctuary YABI - Way Kambas National Park, Indonesia

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BADAK SUMATERA - SUMATRAN RHINO (*Dicerorhinus sumatrensis*)

SRS Program targets and result of April 2015:

- 1. Rhino health (continue regular monitoring and inspections)** – All Rhino are in good condition.
- 2. Reproduction Program**
 - a. Rosa's introduction with Andalas still not success

Sumatran Rhino Health Update

Daily routine check, monthly blood check and weekly fecal sample check for parasites conducted to monitor rhinos health. All rhinos in the facility are in good condition, no health problem occurred. Their daily activities such as browsing, walking, foraging and wallowing are normal. Body temperature is ranged from 36.6° C – 37.3° C.

Specific Information on Each Rhino

Andalas (Male, 13 Years Old)

Andalas body condition is good and has a normal behaviour. Bodyweight was measured every week and the results are shown on the table below. His body temperature was ranged between 36, 6 – 37, 0 °C. Blood test result shows normal range.

Andalas Body Weight Measurement			
08 April 2015	16 April 2015	23 April 2015	30 April 2015
780 - 783 kg	777 – 779 kg	780 kg	769,5 – 771,5 kg

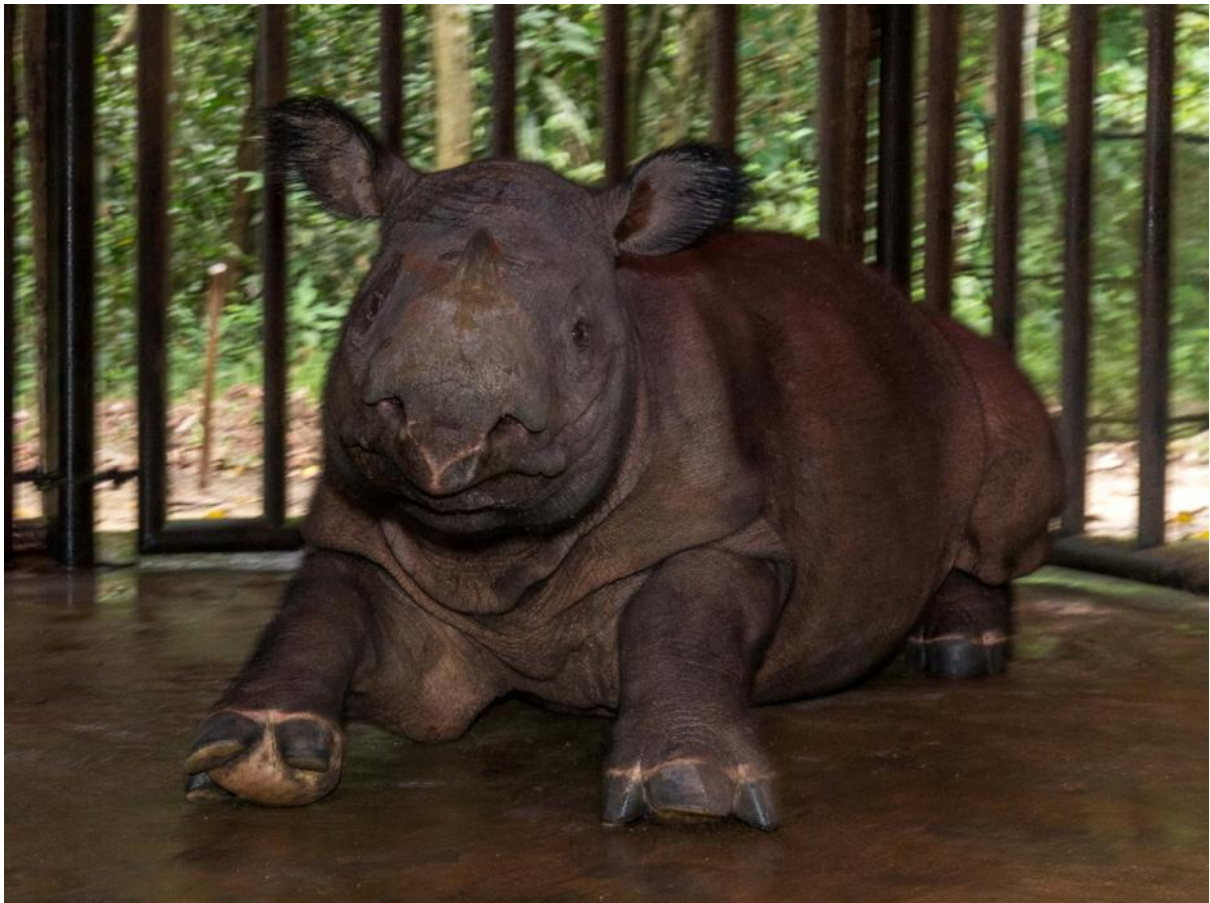


Picture. Andalas

Bina (Female, 33 Years Old)

Bina is in good condition and her activity is normal, body temperature was ranged between 36,6 – 37,3 °C. Her blood test result shows normal range and her body weight is shown on table below.

Bina Body Weight Measurement			
08 April 2015	16 April 2015	23 April 2015	30 April 2015
744 - 745 kg	737 – 740 kg	722 - 725 kg	736 kg



Picture. Bina resting after morning treatment

Ratu (Female, 14 Years Old)

Ratu is not comfortable around many people next to her and could lead her to become sensitive or aggressive. And also she always observed to be not so comfortable inside her pen/stall. Her body temperature was ranged between 36,5 – 37,0 °C, her body weight shown in the table below.

Ratu Body Weight Measurement			
08 April 2015	16 April 2015	23 April 2015	30 April 2015
572 - 570 kg	568 - 569 kg	563 kg	567 – 570,5 kg



Picture. Ratu in her stall

Rosa (Female, 13 Years Old)

Rosa was observed to have normal activities and no health problem. Her calm and tame behavior sometimes could turn into unpredictable if she were shocked by sudden movement or strange sounds. Her body temperature ranged from 36,6 to 37,4 °C. Her body weight was shown on the table below.

Rosa Body Weight Measurement			
08 April 2015	16 April 2015	23 April 2015	30 April 2015
605 - 599 kg	598 - 607 kg	612 - 615 kg	623 -622 kg



Picture. Rosa

Andatu (2 Years, 10 Months)

Andatu has no health problem in this month. His activities was normal, he actively forages and walking exploring his enclosure. Attempts to have him voluntarily laying down for blood collection from base of the ear is still on process, he only could laying down voluntarily for several minutes, without attempting to access the vein. His body condition is good and his body temperature ranged from 36,5°C to 37,0 °C, and his body weight was shown on the table below.

Andatu Body Weight Measurement			
08 April 2015	16 April 2015	23 April 2015	30 April 2015
522 kg	533 kg	526 - 528 kg	527 - 529 kg



Picture. Andatu with his keeper

Fecal Examination

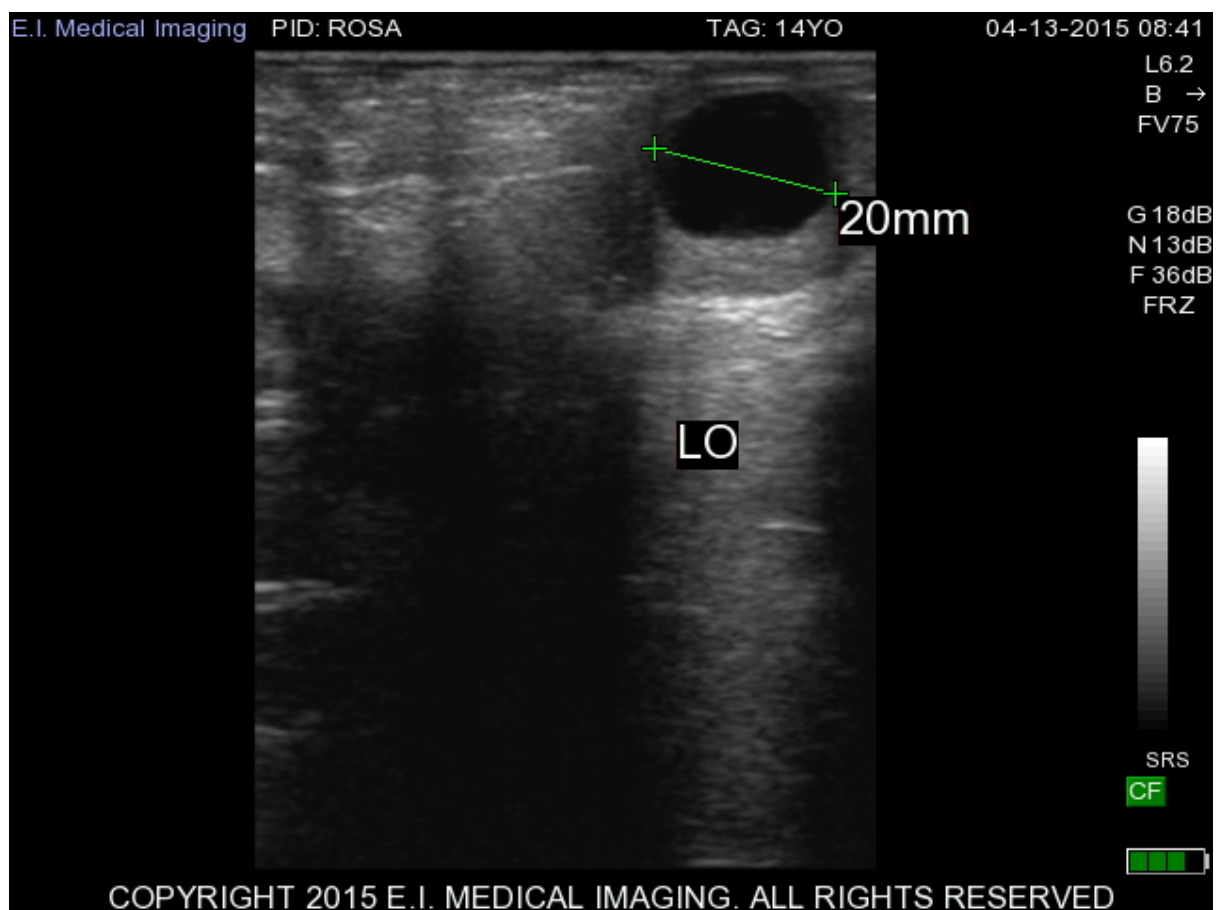
Routine fecal examination for parasites performed once or twice a week, and during examination in this month no worm's eggs and larvae and just found normal protozoa in small number.

Reproduction Program

Ratu

Ultrasound examination was performed on Ratu on 01 April 2015 to check her. And she has no introduction with Andalas in this month.

Rosa



Picture. Rosa's follicle on her left ovary on 13th of April 2015

On 13th of April 2015, Rosa has good follicle with size 20mm, and she was introduced to Andalus, but no mounting has happened. Rosa still showing nervous behaviour around Andalus.

Bina

Bina has no introduction with Andalus within this month, due to her recovery from previous introduction with Andalus take times.

SRS Program targets and result of May 2015:

- 1. Rhino health (continue regular monitoring and inspections)** – All Rhino are in good condition, no health problem observed.
- 2. Reproduction Program**
 - a. Rosa And Bina Introduction still not success

Sumatran Rhino Health Update

Routine regular health monitoring procedures were conducted during this month. Daily routine check, monthly blood check and weekly fecal sample check for parasites conducted. All rhinos in the facility are in good condition, no health problem occurred. Their daily activities such as browsing, walking, foraging and wallowing are normal. Body temperature is ranged from 36.5° C – 37.4° C.

Specific Information on Each Rhino

Andalas (Male, 14 Years Old)



Picture. Andalas

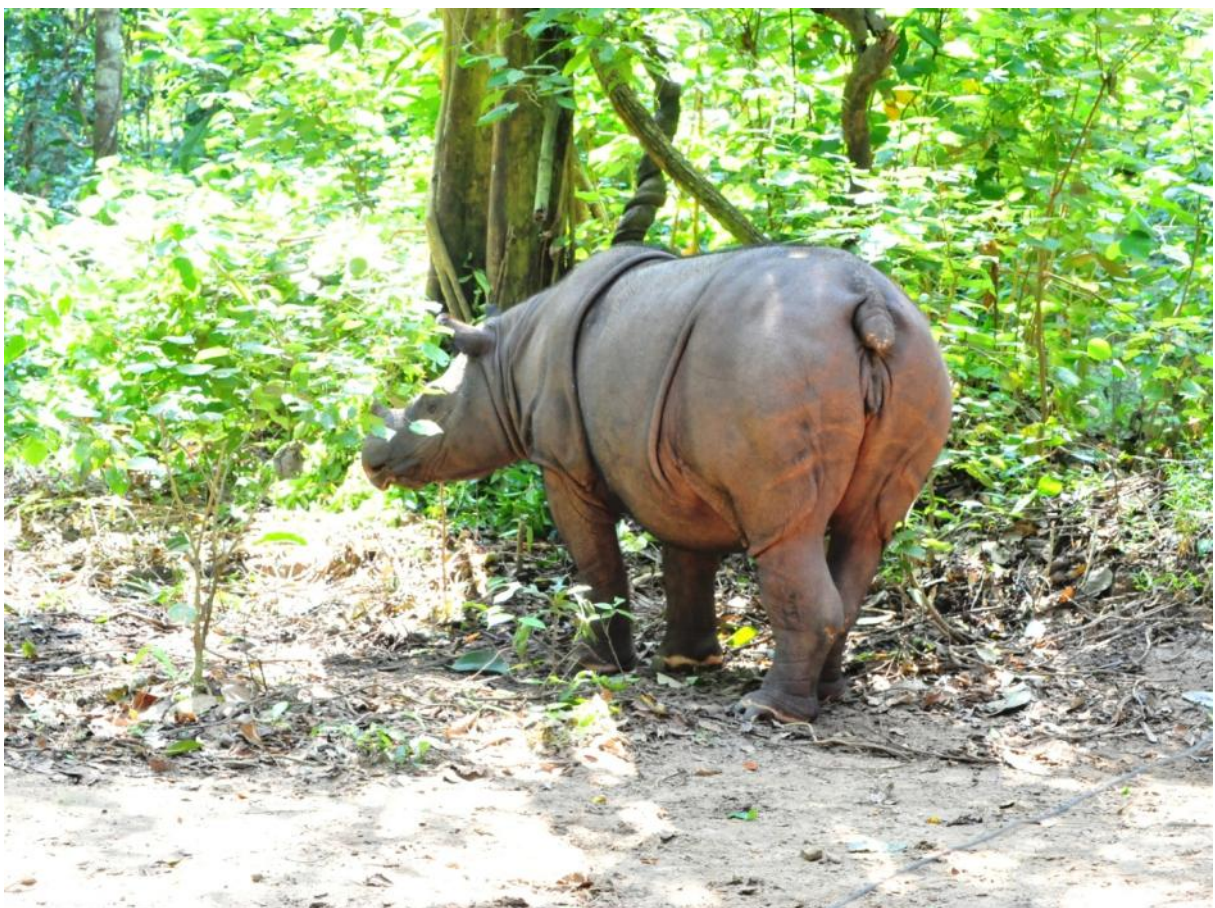
Andalas is routinely come to the stall every morning for daily care. His activities and body condition was good and blood test result is shown normal range. Bodyweight was measured every week and the results are shown on the table below. Her activity is normal and her body temperature was ranged between 36,5 – 37,3 °C.

Andalas Body Weight Measurement			
09 May 2015	16 May 2015	23 May 2015	30 May 2015
777 - 777 kg	783 – 786 kg	785kg	760 – 766 kg

Bina (Female, 33 Years Old)

Bina is in good condition in this month. Her activity is normal and her body temperature was ranged between 36,6 – 37,1 °C. She has hypersensitivity to sunlight exposure to her eyes, and will developed cloudy layer on her cornea, treatment with Zinc Sulphate is apply to cure this condition. Blood test result shows normal range and her body weight is shown on table below.

Bina Body Weight Measurement			
09 May 2015	16 May 2015	23 May 2015	30 May 2015
750 - 753 kg	737 – 739 kg	740 - 745 kg	722 – 725 kg



Picture. Bina foraging

Ratu (Female, 14 Years Old)

Ratu is sensitive rhino and not comfortable with new person or too many people around her. Strange sound also affects her alert. Behavior like ramming on person behind bars also observed occasionally whenever she started to be uncomfortable in stall. In this month, she has no health problem and her temperature ranged from 36,5 – 37,2 °C, her body weight shown in the table below.

Ratu Body Weight Measurement			
09 May 2015	16 May 2015	23 May 2015	30 May 2015
570 - 572 kg	566 - 567 kg	570 - 570 kg	580 – 583kg



Picture. Ratu

She was actively forages and eats in the forest in her paddock.

Rosa (Female, 13 Years Old)

Rosa is a tame Rhino and close to keepers. In this month, she was observed to shows normal behavior and activities. Her body temperature ranged from 36,7 to 37,4 °C. Her body weight was shown on the table below.

Ratu Body Weight Measurement			
09 May 2015	16 May 2015	23 May 2015	30 May 2015
571 - 570 kg	577 - 576 kg	568 - 587 kg	567 – 569 kg



Picture. Rosa

Andatu (2 Years, 11 Months)

Andatu is actively foraging, wallowing and browsing in his enclosure. Every morning he always still in the forest, foraging, walking or eating and tends to not interested to come to the stall if he is not encouraged to. He still receives his daily routine husbandry inside the stall. And he has no health problem. Attempts to collect blood from Andatu is not tried yet, since he still could not laying down for long time.

His body condition is good and his body temperature ranged from 36,7 °C to 37,1 °C, and his body weight was shown on the table below.

Andatu Body Weight Measurement			
09 May 2015	16 May 2015	23 May 2015	30 May 2015
527 – 528 kg	533 kg	519 – 523 kg	522 – 525 kg



Picture. Andatu in his enclosure, bodyweight measurement

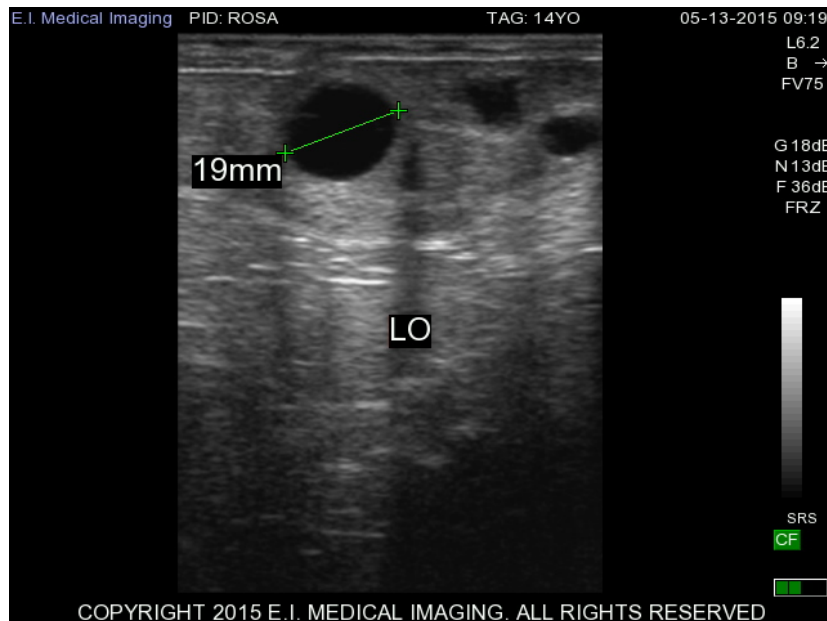
Fecal Examination

Fecal examination for parasites performed once or twice a week, and during examination in this month no worm's eggs and larvae and just found normal protozoa in small number.

Reproduction Program

Ultrasound examination on Rosa, Ratu and Bina still performed to monitor their follicles development.

On 13th of May 2015, good follicle was observed on Rosa's Ovary and she was introduced to Andalas, but no copulation has happened.



Other

Rhino and Tiger Conservation Stakeholders meeting in Jakarta.

Dr. Zulfi Arsan was attending a Workshop on Rhino and Tiger Conservation meeting in Jakarta 6-8 May 2015.

SRS Program targets and result of June 2015:

- 1. Rhino health (continue regular monitoring and inspections)** – All Rhino are in good condition. Bina infested by Strongyle parasites.
- 2. Reproduction Program**
 - a. Natural Breeding attempts still not succeed.

Sumatran Rhino Health Update

All rhinos are in good condition, they show normal behaviour, foraging, and wallowing. Blood check and fecak parasites check also shows normal results.

Body temperature ranged between 36, 4– 37, 3°C

Specific Information on Each Rhino

Andalas (Male, 13 Years Old)

Andalas body condition is good and shows normal activities. Bodyweight was measured every week and the results are shown on the table below. His body temperature was ranged between 36, 6 – 37, 0 °C. Blood test result shows normal range. His bodyweight is shown on table below.

Andalas Body Weight Measurement			
08 June 2015	15 June 2015	22 June 2015	29 June 2015
780 - 782 kg	777 – 78 kg	783 - 784 kg	779 - 782 kg



Picture. Andalas bodyweight measurement

Bina (Female, 33 Years Old)

Bina condition is good and her activities also still normal. Her activity is normal and her body temperature was ranged between 36,7 – 37,2 °C. Blood test result shows normal range and her body weight is shown on table below.

Bina Body Weight Measurement			
08 June 2015	15 June 2015	22 June 2015	29 June 2015
722 - 723 kg	733 – 739 kg	719 - 721 kg	735 – 736 kg



Picture. Bina in her paddock.

Ratu (Female, 14 Years Old)

Ratu is sensitive rhino and not comfortable with too many people around her, sometimes could be aggressive towards new people. She always shows alert behavior inside her stall, and observed to be not comfortable inside it. In this month, she has no health problem and her temperature ranged from 36,6 – 37,0 °C, her body weight shown in the table below.

Ratu Body Weight Measurement			
08 June 2015	15 June 2015	22 June 2015	29 June 2015
564 - 563 kg	568 - 569 kg	567 - 570 kg	582 - 580 kg



Picture. Ratu in her stall for morning check

Rosa (Female, 13 Years Old)

In this month, Rosa was observed to shows normal activities and has no health problem. She is calm and tame, but could turn into unpredictable if she were shocked by sudden movement or strange sounds. Her body temperature ranged from 36,5 to 37,3 °C. Her body weight was shown on the table below.

Rosa Body Weight Measurement			
08 June 2015	15 June 2015	22 June 2015	29 June 2015
600 - 599 kg	598 - 603 kg	609 - 610 kg	607 -605 kg



Picture. Rosa

Andatu (3 Years)

Andatu has no health problem in this month. His activities was normal, he actively forages and walking exploring his enclosure. Attempts to make him laying down for blood collection from base of the ear is still on process, he only could laying down voluntarily for 2 – 4 minutes, without attempting to access the vein. His body condition is good and his body temperature ranged from 36,7 °C to 37,2 °C, and his body weight was shown on the table below.

Andatu Body Weight Measurement			
08 June 2015	15 June 2015	22 June 2015	29 June 2015
522 kg	532 kg	522 - 523 kg	525 - 527 kg



Picture. Andatu in his enclosure

Fecal Examination

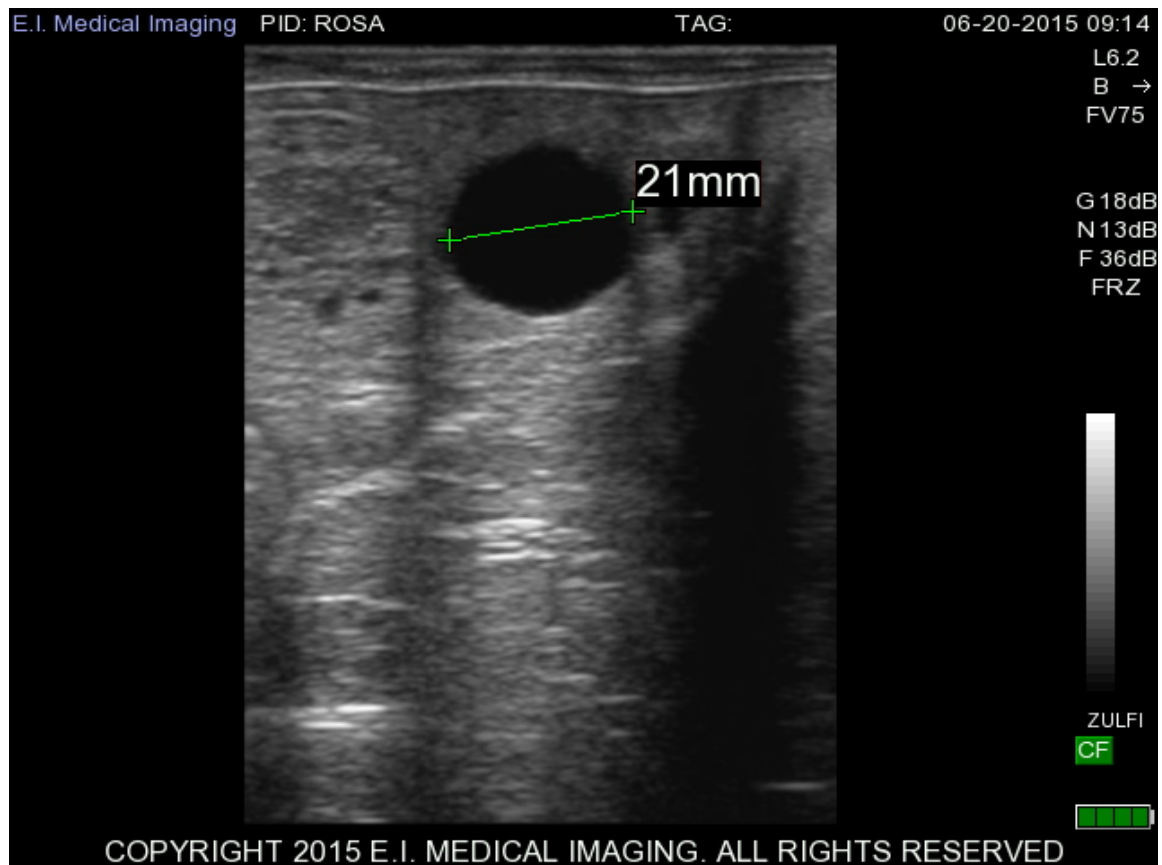


Picture. Dr. Zulfi performing microscopy check

On routine fecal check in this month there is no worm eggs or larvae that found and also only small number of normal protozoa found

Reproduction Program

Ultrasound examination on Rosa, Ratu and Bina still performed to monitor their follicles development.



Picture. Rosa's follicle

In this month Rosa was introduced to Andalas 2 times, at the beginning of June and on 20th June 2015. Both attempts did not resulting on a good results, Rosa still afraid of Andalas.